SCHLOMANN-OLDENBOURG ILLUSTRIERTE TECHNISCHE...

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Schlomann—Oldenbourg

ILLUSTRIERTE

TECHNISCHE WÖRTERBÜCHER

Unter Mitwirkung
hervorragender Fachleute des In- und Auslandes

herausgegeben von

Alfred Schlomann
Ingenieur

BAND 9:

Werkzeugmaschinen für Metall- und Holzbearbeitung

MÜNCHEN UND BERLIN
DRUCK UND VERLAG VON R. OLDENBOURG

c1910

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WERKZEUGMASCHINEN

FÜR

METALL- UND HOLZBEARBEITUNG

In sechs Sprachen:

Deutsch, Englisch, Französisch, Russisch, Italienisch, Spanisch

Unter redaktioneller Mitwirkung von
Ingenieur Wilhelm Wagner

Zweite unveränderte Auflage (Manuldruck)

Mit 2201 Abbildungen und Formeln

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Band 1

der Illustrierten Technischen Wörterbücher:

Die Maschinenelemente und die gebräuchlichsten Werkzeuge

Unter redaktioneller Mitwirkung
von
Dipl.-Ing. **Paul Stülpnagel.**

407 Seiten mit 823 Abbildungen und zahlreichen Formeln, etwa 2200 Worte in jeder der sechs Sprachen enthaltend
In Leinwand gebunden Preis M. 26.—

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Vorwort.

Der Band »Werkzeugmaschinen« behandelt einen hervorragenden Zweig der Technik. Das gewaltige Gebiet erforderte bei der Sammlung und Sichtung des Wortschatzes besondere Sorgfalt. Der Band sollte alle im Werkzeugmaschinenbau gebräuchlichen Ausdrücke enthalten; notwendig war auch, Werkzeugmaschinen spezieller Art, besonders unter den Holzbearbeitungsmaschinen, wegen ihrer großen Bedeutung aufzunehmen. Ferner erschien es zweckmäßig, am Schlusse des Bandes den in der Technik verwendeten Holzarten ein besonderes Kapitel zu widmen, damit der Fachmann nicht eine große Anzahl von Worten vermißt, die für die Holzbearbeitung sehr wichtig und von Interesse sind. Trotz der Berücksichtigung der Spezialgebiete durfte dem Bande kein zu großer Umfang gegeben werden. Infolgedessen wurde alles weggelassen, was nicht unmittelbar zu dem behandelten Stoffe gehörte, zunächst technische Ausdrücke allgemeiner Art zur Kennzeichnung technischer Arbeiten, bekannter Werkzeuge und einfacher Hilfsvorrichtungen, besonders soweit sie schon in den vorhergehenden Bänden der I. T. W. behandelt sind.

Mancherlei Schwierigkeit bot auch die Unterbringung derjenigen Ausdrücke, die zu verschiedenen Kapiteln gehören; um nur einige Worte als Beispiele anzuführen: Antrieb, Spindelstock, Support u. ä. Ständige Wiederholung bei allen Maschinen, für welche derartige gemeinsame Bezeichnungen gebraucht werden, war völlig ausgeschlossen. Es liegt nahe, solche Worte

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bei der ersten im Bande vorkommenden Maschine zu bringen, wo sie verwendet werden können. Für eine später genannte Maschine kann bei dieser Anordnung aber ein vorher gebrachter Ausdruck mitunter erhöhte Bedeutung haben. Trotzdem ist, um die Einheitlichkeit zu wahren, im allgemeinen so verfahren worden, daß die gemeinsamen Ausdrücke an der ersten möglichen Stelle behandelt sind und nur spezielle Konstruktionen später genannt werden.

Eine weitere Schwierigkeit fand sich bei denjenigen Worten, deren Bedeutung nicht ganz feststeht, weil sie in verschiedenem Sinne gebraucht werden; z. B. werden bisweilen die Bezeichnungen »längs« und »quer« miteinander vertauscht, je nach der Richtung, die als die grundlegende angesehen wird. Der eine Konstrukteur nennt »Längsschlitten« das, was der andere mit »Querschlitten« bezeichnet; und es kann vorkommen, daß das Wort »längs« der einen Sprache in der anderen mit »quer« übersetzt ist, ohne daß dem Übersetzer ein Irrtum nachgesagt werden kann.

An jeder Stelle wurde versucht, die treffendsten Ausdrücke und eine zweckmäßige Zeichnung zusammenzustellen. Es ist kein Zweifel, daß an verschiedenen Stellen, besonders bei den allgemeineren Ausdrücken, auch eine andere als die getroffene Wahl möglich gewesen wäre, da Meinungsverschiedenheiten nicht zu vermeiden sind. Der Umstand, daß eine große Zahl bester Mitarbeiter der verschiedenen Länder auch diesem Bande ihre Unterstützung geliehen haben, läßt aber hoffen, daß sein Inhalt einer sachlich geübten Kritik standhalten wird.

Die Anordnung des Stoffes wird, so hoffen wir, die Zustimmung der Fachwelt finden. Zur Erleichterung der Übersicht dürfte es beitragen, daß die Hauptkapitel in sich in genau übereinstimmender Weise zusammengestellt sind, indem nach Behandlung der Typen überall zunächst die Maschinenteile aufgeführt sind und dann zur Behandlung der Arbeitsweise und

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des Antriebs übergegangen wird, woran sich die Steuerungs- und Vorschubvorrichtungen anschließen; danach kommt die Befestigung der Werkstücke. Den Schluß eines jeden Kapitels bilden die für die betreffenden Maschinen verwendeten Werkzeuge.

An der Bearbeitung dieses Bandes war die Fachwelt aller Kulturländer in hohem Maße beteiligt, wie das beigegebene Verzeichnis der Mitarbeiter erkennen läßt. Die Tätigkeit der auswärtigen Mitarbeiter wurde zu einer besonders erfolgreichen durch regen persönlichen Meinungsaustausch und gemeinschaftliche Arbeit, zu welchem Zwecke wiederholt Reisen der Redakteure ins Ausland unternommen wurden. Die damit verbundenen Mühen und Kosten werden zweifellos dem vorliegenden Bande zugute kommen.

Ich danke allen, die ihre Arbeitskraft für die Vollendung des Bandes eingesetzt haben, besonders Herrn Ingenieur Wilhelm Wagner, Generalsekretär des Polytechnischen Vereins in München, für die redaktionelle Bearbeitung des ganzen Stoffes, ferner Herrn Ingenieur Hans Riemann, der die erste Sammlung des Wortschatzes besorgte, und den Herren Ingenieuren August Boshart, Edgard Charlier-Desmet, Wetscheslaw Dobrotworsky, Victor Ruelens und Alexander Trettler.

Besonderen Dank schulde ich der Verlagsbuchhandlung R. Oldenbourg, München-Berlin, welche die für die Herstellung des Bandes erforderlichen hohen Geldmittel zur Verfügung stellte und alle zur Förderung des Werkes geäußerten Wünsche erfüllte.

München, November 1910.

Alfred Schlomann, Ingenieur.

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Alphabetisch geordnetes Wortregister mit Angabe der Seite und Spalte, in denen jedes einzelne Wort zu finden ist.
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b) Russisch 664

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I.

Hobel-, Fell- und Stoßmaschinen

Planers, Shapers and Slotters

Raboteuses, limeuses et machines à mortaiser

Строгальные, поперечно-строгальные и долбежные станки

Piallatrici, limatrici e stozzatrici

Acepilladoras, limadoras y mortajadoras

Hobelmaschinen und Gestelle

Planers and Stands

Raboteuses et bâtis

Строгальные станки и станины

Piallatrici ed incastellature 1

Acepilladoras y bastidores

Werkzeugmaschine (f)
machine tool
machine-outil (f)

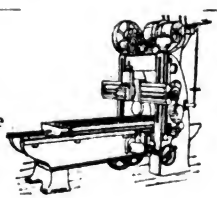
машина (f)-орудіе (n)
macchina (f) utensile 2
máquina-herramienta (f)

Metallbearbeitung (f)
metal working
travail (m) des métaux

обработка (f) металловъ
lavorazione (f) dei metalli 3
trabajo (m) de los metales

Metallbearbeitungsmaschine (f)
metal working machine
machine (f) pour le travail des métaux

станокъ (m) для обработки металловъ; металлообдѣлочный станокъ
macchina (f) utensile per metalli 4
máquina (f) para el trabajo de los metales



Hobelmaschine (f)
planing machine, planer (A)
raboteuse (f), machine (f) à raboter

строга[те]льный станокъ (m)
piallatrice (f) 5
máquina (f) de cepillar, acepilladora (f)

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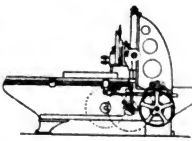
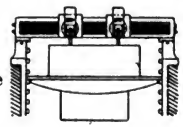
1 Tischhobelmaschine (f)
table planing machine
raboteuse (f) *ou* machine (f) à raboter à table mobile



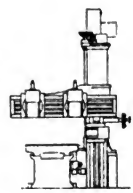
строга[те]льный станокъ (m) съ подвижнымъ столомъ
piallatrice (f) a tavola
máquina (f) de cepillar de mesa

2 Grubenhobelmaschine (f)
pit planer
raboteuse (f) *ou* machine (f) à raboter à fosse



ямный строга[те]льный станокъ (m)
piallatrice (f) a fossa
máquina (f) de cepillar de foso

3 Säulenhobelmaschine (f), Einständerhobelmaschine (f), einseitig offene Hobelmaschine (f)
open side planer, single column planing machine
raboteuse (f) à montant unique, raboteuse (f) ouverte



односторонній строгательный станокъ (m); строгальный станокъ съ одной стойкой; одноколонный строгальный станокъ
piallatrice (f) a un sol montante, piallatrice (f) a colonna semplice, piallatrice (f) a pilastro
máquina (f) de cepillar de columna, máquina (f) de cepillar de una columna, máquina (f) de cepillar abierta en un costado

4 Seiten[flächen]hobelmaschine (f)
side planing machine
raboteuse (f) latérale

строгательный станокъ (m) для вертикальныхъ плоскостей; универсальный строгально-долбёжный станокъ
piallatrice (f) laterale
máquina (f) de cepillar por el costado

5 Langhobelmaschine (f) mit freier Arbeitseite
long planing machine with open side
raboteuse (f) *ou* machine (f) à raboter ouverte sur un côté

продольно-строга[те]льный станокъ (m) съ одной стойкой
piallatrice (f) con fianco di lavoro libero, piallatrice (f) longitudinale a fianco libero
máquina (f) de cepillar á lo largo con costado libre

6 Wagrechthobelmaschine (f), Horizontalhobelmaschine (f)
horizontal planing machine
raboteuse (f) *ou* machine (f) à raboter horizontale

горизонтально-строга[те]льный станокъ (m)
piallatrice (f) orizzontale
máquina (f) de cepillar horizontal

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Senkrechthobelmaschine (f), Vertikalhobelmaschine (f)
vertical planing machine
raboteuse (f) *ou* machine (f) à raboter verticale

вертикально-строга[те]льный станокъ (m) *1*
piallatrice (f) verticale
máquina (f) de cepillar vertical

Blechkantenhobelmaschine (f), Blechbesäummaschine (f)
plate edge planing machine
machine (f) à chanfreiner les tôles, chanfreineuse (f)

кромкострога[те]льный станокъ (m); станокъ для строганія кромокъ металлическихъ листовъ
piallatrice (f) per refilare lamiere *2*
máquina (f) de cepillar los cantos de chapas, máquina (f) de cepillar los bordes de chapas

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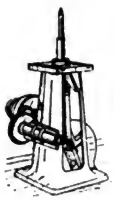
Keilnutenhobelmaschine (f), Nut[en]hobelmaschine (f), Keilnutenziehmaschine (f)
key way planing machine, key way cutting machine
machine (f) à raboter les rainures de clavettes, machine (f) à rainer



станокъ (m) для строганія шпоночныхъ канавокъ
piallatrice (f) per cave da chiavetta, piallatrice (f) per cave *3*
acepilladora (f) para hacer ranuras de chavetas, acepilladora (f) de hacer ranuras

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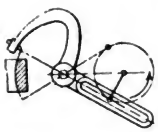
Zahnradhobelmaschine (f)
gear cutting machine
machine (f) à raboter les [roues d']engrenages

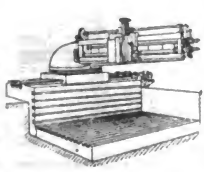
танокъ (m) для строганія зубьевъ колёсъ *или* для строжки зубчатыхъ колёсъ *4*
piallatrice (f) per ingranaggi
máquina (f) de cepillar ruedas dentadas

Bogenhobelmaschine (f), Kurvenhobelmaschine (f)
planing machine for curves, radius planer
machine (f) à raboter les surfaces courbes, raboteuse (f) pour surfaces courbes



станокъ (m) для строганія вогнутыхъ *или* выпуклыхъ поверхностей
piallatrice (f) per superfici curve *5*
acepilladora (f) para superficies curvas

[vereinigte] Bogen- und Seitenhobelmaschine (f)
combined curve and side planing machine
raboteuse (f) combinée pour surfaces courbes et droites



комбинированный строга[те]льный станокъ (m) съ движеніемъ рѣзца по прямой или по дугѣ круга
piallatrice (f) combinata per superfici piane e curve *6*
máquina (f) de cepillar combinada para superficies derechas y curvas

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Schlichtmaschine (f)
smoothing *or* finishing
1 planing machine
machine (f) à planer, planeuse (f)

станокъ (m) для чистовой отдѣлки
macchina (f) per rifinire superfici piane
máquina (f) de planear, garlopa (f) mecánica

Schnellhobelmaschine (f)
high speed planing
2 machine *or* planer
raboteuse (f) à grande vitesse

быстроходный строга[те]льный станокъ (m)
piallatrice (f) rapida per acciaio
acepilladora (f) rápida

Riffelmaschine (f), Walzenfurchmaschine (f)
groove cutting machine,
3 roll fluting machine
machine (f) à canneler, canneleuse (f), machine (f) à canneler les cylindres

станокъ (m) для рифленія вальцовъ
macchina (f) da rigare, macchina (f) da scanalare cilindri
máquina (f) de estriar, estriadora (f), estriadora (f) de cilindros

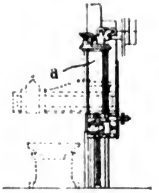
Gewehrlaufziehmaschine (f), Schießwaffenziehmaschine (f)
4 gun rifling machine
machine (f) à rayer les canons de fusils

станокъ (m) для нарѣзанія стволовъ; станокъ для нарѣзки винтовыхъ канавокъ въ ружейныхъ стволахъ
macchina (f) da rigare canne da fucile, macchina (f) da trafilare canne d'armi da fuoco
máquina (f) de rayar cañones de armas

Hobelmaschinengestell (n), Hobelmaschinenbett (n)
5 frame of the planing machine
bâti (m) *ou* banc (m) de raboteuse

станина (f) строга[те]льнаго станка
incastellatura (f) di piallatrice
armazón (m) de acepilladora

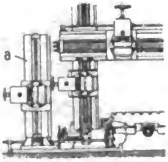
Hobelmaschinenständer (m), Hobelmaschinenbock (m), Hobelmaschinensäule (f), Hobelmaschinenpfeiler (m)
6 main standard *or* upright *or* housing of planing machine
montant (m) *ou* colonne (f) *ou* pilier (m) de raboteuse



a

стойка (f) строгательнаго станка; колонна (f) [односторонняго] строгальнаго станка
montante (m) *o* colonna (f) *o* pilastro (m) di piallatrice
bastidor (m) de acepilladora, caballete (m) de acepilladora, columna (f) de acepilladora, pilar (m) *ó* pilastra (f) de acepilladora

Seitenbock (m)
lateral *or* side standard
7 colonne (f) latérale, montant (m) latéral, pilier (m) latéral



a

боковая стойка (f)
montante (m) laterale
caballete (m) lateral

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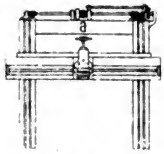
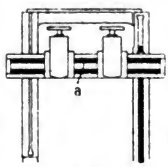
Querhaupt (n), Traverse (f), Verbindungssteg (m), Verbindungsstück (n), Ständerzwischenstück (n)
connecting tie, tie bar
traverse (f) d'entretoisement, entretoise (f)



a

распорная поперечина (f) [соединяющая стойки строга[те]льнаго станка вверху] 1
traversa (f) di collegamento
puente (m) de unión, pieza (f) de unión

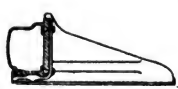
Querträger (m), Querschlitten (m), Querbalken (m)
cross slide, cross head, cross rail
chariot (m) transversal, traverse (f) mobile horizontale



a

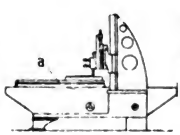
поперечныя салазки (f pl); поперечина (f) строга[те]льнаго станка [несущая рѣзцовый суппортъ] 2
traversa (f) mobile
carro (m) transversal, travesaño (m)

Ausleger (m)
arm
bras (m)


c

плечо (n); плечо, поддерживающее суппортъ односторонняго строга[те]льнаго станка 3
braccio (m), traversa (f)
brazo (m)

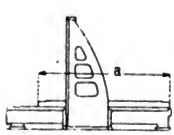
Hobelmaschinentisch (m), Hobeltisch (m), Hobelschlitten (m), Aufspanntisch (m)
planing machine table *or* platen
table (f) de raboteuse



a

столъ (m) строга[те]льнаго станка
tavola (f) di piallatrice, tavola (f)
mesa (f) de acepilladora, mesa (f) de cepillar, carro (m) de cepillar, mesa (f) de sujeción 4

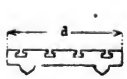
Tischlänge (f)
length of table
longueur (f) de la table



a

длина (f) стола
lunghezza (f) della tavola
longitud (f) de la mesa 5

Tischbreite (f)
width of table
largeur (f) de la table



a

ширина (f) стола
larghezza (f) della tavola
anchura (f) de la mesa 6

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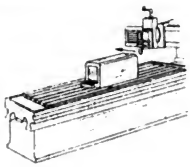
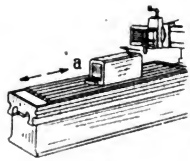
	Arbeitsweise und Antrieb Action and Method of Driving Mode de travail et mécanismes de mouvement	Способъ работы и передачи Metodi di lavoro e comandi Modo de trabajar y movimiento motor
1		
2	hobeln (v) to plane raboter (v)	строгать piallare (v) cepillar (v)
3	ein Werkstück behobeln (v) to plane a piece of work raboter (v) une pièce	обстрогать обрабатываемый предметъ piallare (v) un pezzo cepillar (v) una pieza
4	abhobeln (v) to plane off raboter (v), dresser (v) par rabotage	обстрогать, обстрагивать piallare (v) cepillar (v) ó poner á grueso ó acepillar
5	Hobeln (n), Behobeln (n) planing rabotage (m)	строганіе (n); обстрагиваніе (n) piallatura (f) acepilladura (f)
6	schroten (v), aus dem Groben abarbeiten (v), schruppen (v), schrubben (v), vorhobeln (v) to rough plane dégrossir (v)	строгать начерно sgrossare (v), lavorare (v) dal greggio, sbozzare (v) desbastar (v)
7	schlichten (v), fertighobeln (v) to finish finir (v), planer (v)	строгать начисто или чистовымъ проходомъ rifinire (v) planear (v)
8	Hobelarbeit (f) planing work travail (m) de rabotage	строгальная работа (f); работа строганія; строжка (f) lavoro (m) di piallatura trabajo (m) de cepillar
9	Arbeitsbewegung (f), Hauptbewegung (f), Schnittbewegung (f) working motion, main motion course (f) de travail *ou* effective	рабочее движеніе (n); главное движеніе movimento (m) principale *o* di lavoro, corsa (f) (utile) movimiento (m) de trabajo, corrida (f) principal



a

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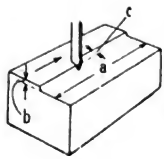
Hauptweg (m), Schnittweg (m) working path course (f)		рабочій ходъ (m) direzione (f) principale, corsa (f) utile corrida (f)	1
Arbeitswiderstand (m), Zerspanungswiderstand (m) working resistance résistance (f)		рабочее сопротивленіе (n) resistenza (f) al lavoro resistencia (f) de trabajo	2
Schnittwiderstand (m) cutting resistance résistance (f) à la coupe		сопротивленіе (n) рѣзанію resistenza (f) al taglio resistencia (f) de corte	3
Schnittlänge (f) cutting length, length of cut longueur (f) de la passe	 a	длина (f) строганія *или* строжки lunghezza (f) del taglio longitud (f) de corte *ó* de pasada	4
Schnitthöhe (f) cutting depth, depth of cut profondeur (f) de la passe	b	глубина (f) строганія *или* строжки altezza (f) del taglio altura (f) de corte	5
Schnittbreite (f), Vorschub (m) cutting width, width of cut largeur (f) de la passe	c	ширина (f) строганія *или* строжки; подача (f) larghezza (f) del taglio anchura (f) de corte	6
Schnittgeschwindigkeit (f), Arbeitsgeschwindigkeit (f) cutting *or* working speed vitesse (f) de coupe, vitesse (f) de travail		скорость (f) рѣзанія; скорость рабочаго движенія velocità (f) di taglio *o* di lavoro velocidad (f) de corte, velocidad (f) de trabajo	7
Schnittrichtung (f) direction of cut direction (f) de la coupe		направленіе (n) строганія *или* строжки direzione (f) del taglio dirección (f) de corte	8
der Stahl nimmt *oder* macht mehrere Schnitte the tool makes several cuts l'outil fait plusieurs passes		рѣзецъ (m) дѣлаетъ нѣсколько проходовъ l'utensile *o* il ferro fa parecchi tagli, il bullino prende più trucioli el acero quita varios cortes	9
Reibungswiderstand (m) frictional resistance résistance (f) de frottement		сопротивленіе (n) отъ тренія resistenza (f) d'attrito resistencia (f) de fricción	10

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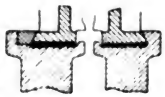
1 Massendruck (m), Massenwirkung (f)
mass pressure
pression (f) des masses

давленіе(n) отъ инерціи движущихся массъ; давленія (n pl), возникающія вслѣдствіе дѣйствія силъ инерціи при измѣненіи скорости движущихся частей
pressione (f) totale *o* complessiva
presión (f) de la masa

2 Tischführung (f), Schlittenführung (f)
guidance of table
guidage (m) *ou* glissière (f) de la table, guidage (m) *ou* glissière (f) du chariot



направляющія (f pl) стола
guide (f pl) della tavola
conducción (f) *ó* corredera (f) de la mesa, conducción (f) del carro

3 ebene Tischführung (f)
flat *or* level table guide
guidage (m) à glissières plates de la table

плоскія направляющія (f pl) стола
guide (f pl) piane della tavola
conducción (f) *ó* corredera (f) plana de la mesa

4 Gleitbahn (f) des Tisches
table slide *or* guide *or* track
glissière (f) de la table

направляющіе полоски (m pl) стола
slitte (f pl) della incastellatura
via (f) de deslizamiento de la mesa

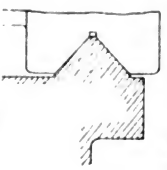
5 Gleitschiene (f)
slide, track, guide
chemin (m) de glissement, surface (f) de glissement du coulisseau

направляющій полозокъ (m)
slitta (f) della tavola
carril (m) de deslizamiento

6 Prismenführung (f)
prismatic guide *or* track
guidage (m) à glissières prismatiques

плоскія *или* обращённыя внизъ треугольныя направляющія (f pl); U-образныя *или* ∨-образныя направляющія
guide (f pl) prismatiche
conducción (f) *o* corredera (f) prismática

7 Schwalbenschwanzführung (f), dachförmige Führung (f)
inverted V guide
guidage (m) à glissières prismatiques *ou* en ∧



обращённыя вверхъ треугольныя направляющія (f pl); ∧-образныя направляющія (f pl); направляющія призматическаго сѣченія американскаго типа
guide (f pl) a ∧
conducción (f) *ó* corredera (f) de lomo bombeado

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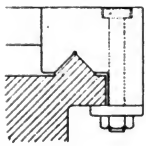
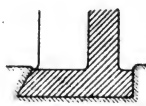
geschlossene Prismenführung (f)
prismatic guide with cover strip
guidage (m) à glissières prismatiques avec bande de retenue



треугольныя направляющія (fpl) съ приспособленіемъ, препятствующимъ подъёму стола
guide (fpl) prismatiche con ribordo
conducción (f) ó corredera (f) prismática cerrada

1

Tischfuß (m)
table foot
pied (m) de la table



нижній направляющій полозокъ (m) стола
piede (m) della tavola
pie (m) de la mesa

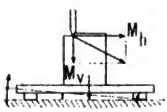
2

Tischgewicht (n)
weight of table
poids (m) de la table

вѣсъ (m) стола
peso (m) della tavola
peso (m) de la mesa

3

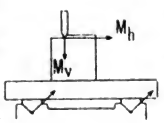
Kippen (n) des Hobeltisches
tipping of the planing table
soulèvement (m) de la table



опрокидываніе (n) стола строга[те]льнаго станка
inclinazione (f) della tavola
inclinación (f) de la mesa de cepillar

4

Entgleisen(n) des Hobeltisches
derailing of the planing table
déraillement (m) de la table, sortie (f) de la table de ses glissières



боковое смѣщеніе (n) стола строгательнаго станка; сдвиганіе (n) строгальнаго стола въ поперечномъ направленіи
deragliamento (m) della tavola
salida (f) de vía de la mesa de cepillar, descarrilamiento (m) de la mesa

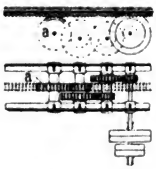
5

Tischantrieb (m), Antrieb (m) des Hobeltisches
drive of the table
commande (f) de la table

механизмъ (m), сообщающій движеніе столу строга[те]льнаго станка
comando (m) della tavola (della piallatrice)
movimiento (m) motor de la mesa, movimiento (m) motor de la mesa de cepillar

6

Zahnstangenantrieb (m)
rack and pinion drive
commande (f) par crémaillère (et pignon)



передача (f) при помощи зубчатой рейки
comando (m) a mezzo di cremagliera
movimiento (m) motor por cremallera

7

Zahnrad (n)
pinion
roue (f) dentée ou d'engrenage

шестерня (f); зубчатое колесо (n)
ingranaggio (m), ruota (f) dentata, ruota (f) ad ingranaggio
rueda (f) dentada

8

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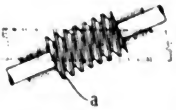
1 Doppelzahnstange (f)
double rack
crémaillère (f) double

двойная или сдвоенная зубчатая рейка (f)
cremagliera (f) o dentiera (f) doppia
cremallera (f) doble

2 Doppel[zahn]rad (n)
double pinion
roues (f pl) d'engrenages jumelées

двойная или сдвоенная шестерня (f)
ingranaggio (m) doppio
engranaje (m) doble

3 Schnecken[zahnstangen]antrieb (m)
worm gear drive
commande (f) par vis sans fin et crémaillère



передача (f) при помощи червяка, сцепляющагося съ рейкой съ прямыми косыми зубцами
comando (m) a mezzo di vite senza fine o perpetua, comando (m) elicoidale a cremagliera
movimiento (m) motor á cremallera y tornillo sin fin

4 Schnecke (f)
worm
vis (f) sans fin

a

червякъ (m)
vite (f) senza fine o perpetua od elicoidale
tornillo (m) sin fin

5 Schrauben[zahnstangen]antrieb (m)
screw drive
commande (f) par crémaillère à denture hélicoïdale

передача (f) при помощи червяка, сцепляющагося съ рейкой съ винтовыми (спиральными) зубцами
comando (m) a mezzo di cremagliera a denti elicoidali
movimiento (m) motor de cremallera helicoidal

6 Schraubenzahnstange (f)
screw rack, helical rack
plaque-écrou (f), crémaillère-écrou (f)

a

рейка (f) съ винтовыми или спиральными зубцами
cremagliera (f) a denti elicoidali
cremallera (f) helicoidal

7 Schrauben[zahn]rad (n)
screw wheel
roue (f) à denture hélicoïdale, roue (f) à vis sans fin

b

колесо (n) съ винтовыми или спиральными зубцами; многоходовой червякъ (m)
ingranaggio (m) o ruota (f) a denti elicoidali
engranaje (m) helicoidal

8 Schraubenspindel (f)
screw spindle
axis (f), arbre (m) fileté

винтъ (m)
albero (m) filettato, vite (f)
husillo (m) helicoidal

a

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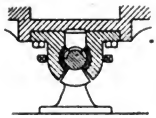
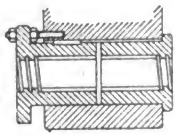
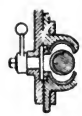
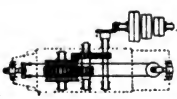
Leitspindel (f) guide spindle, guide screw vis-mère (f)		ходовой винтъ (m) vite (f) di comando *o* conduttrice husillo (m) *ó* eje (m) guiador	*1*
Leitspindellagerung (f) guide spindle bearing coussinets (m pl) *ou* palier (m) de la vis-mère		поддерживающіе подшипники (m pl) ходового винта sopporti (m pl) *o* cuscinetti (m pl) della vite conduttrice colocación (f) del husillo guiador en sus cojinetes	*2*
nachstellbare Leitspindelmutter (f) adjustable guide spindle nut écrou (m) réglable de la vis-mère		гайка (f) ходового винта, допускающая регулированіе madrevite (f) regolabile della vite conduttrice, chiocciola (f) *o* bussola (f) regolabile della vite conduttrice tuerca (f) graduable del eje guiador	*3*
Mutterschloß (n) lock nut dispositif (m) d'embrayage de l'écrou		приборъ (m), раздвигающій половинки гайки; замокъ (m) суппорта; замокъ гайки ходового винта dispositivo (m) di innesto della madrevite, chiocciola (f) della vite órgano (m) de cierre de la tuerca del husillo guiador	*4*
Seilantrieb (m) rope drive commande (f) par câble		передача (f) канатомъ comando (m) a fune movimiento (m) motor por cable	*5*
geradlinig hin- und hergehende Hauptbewegung (f) straight reciprocating main motion mouvement (m) de va-et-vient en ligne droite		прямолинейно-возвратное главное движеніе (n) movimento (m) rettilineo alternativo *o* di va e vieni movimiento (m) principal de va y viene	*6*
Arbeitsgang (m) des Schlittens working stroke of table course (f) de travail de la table		рабочій ходъ (m) стола corsa (f) utile del carrello marcha (f) de trabajo de la mesa	*7*
Leergang (m) des Schlittens return *or* idle stroke of table marche (f) à vide de la table, retour (m), recul (m)		холостой ходъ (m) стола corsa (f) a vuoto del carrello marcha (f) del carro en vacío	*8*

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	Rückgang (m), Rücklauf (m)	обратный ходъ (m)
1	return stroke	corsa (f) di ritorno
	retour (m) *ou* recul (m) [de la table]	retroceso (m), marcha (f) de retroceso
	schneller *oder* beschleunigter Rückgang (m)	ускоренный обратный ходъ (m)
2	quick *or* accelerated return stroke	corsa (f) di ritorno rapida *od* accelerata
	recul (m) *ou* retour (m) rapide, retour (m) accéléré	retroceso (m) rápido *o* acelerado
	den Rücklauf beschleunigen (v)	ускорить обратный ходъ
3	to accelerate the return stroke	accelerare (v) la corsa di ritorno
	accélérer (v) le retour	acelerar (v) el retroceso
	Tischgeschwindigkeit (f), Schlittengeschwindigkeit (f)	скорость (f) хода стола; скорость движенія стола
4	speed of table	velocità (f) di andata della tavola *o* del carrello
	vitesse (f) de la table	velocidad (f) de la mesa
	Rücklaufgeschwindigkeit (f)	скорость (f) обратнаго хода
5	return speed	velocità (f) di ritorno
	vitesse (f) de retour	velocidad (f) de retroceso
	Umkehrung (f) der Bewegung	перемѣна (f) направленія движенія
6	reversing of motion	inversione (f) di movimento
	renversement (m) du mouvement	inversión (f) del movimiento
	Richtungswechsel (m)	перемѣна (f) направленія
7	change of direction	cambio (m) di direzione
	changement (m) de marche	cambio (m) de dirección
	Hubwechsel (m)	перемѣна (f) длины хода
8	reversal of stroke	inversione (f) della corsa del carrello
	changement (m) de l'amplitude de la course	cambio (m) de carrera
	Maschinenhub (m)	длина (f) хода станка
9	stroke of machine	corsa (f) di lavoro di una macchina
	course (f) d'une machine	carrera (f) de la máquina
	Hobellänge (f) des Tisches	длина (f) строганія, допускаемая столомъ
10	planing length of table	lunghezza (f) della corsa della tavola
	longueur (f) de rabotage, longueur (f) utile de la table	longitud (f) de cepillar de la mesa

a

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Überweg (m)
excess of stroke (over actual cut)
excès (m) de la course (nécessaire pour le renversement de marche)

b

длина (f), на которую рѣзецъ заходитъ за конецъ обстрагиваемаго предмета; избытокъ (m) хода 1
corsa (f) a vuoto
camino (m) ó carrera (f) pasado, -a ó sobrante

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verlorner Weg (m) des Schlittens
lost motion of table
course (f) perdue du chariot

безполезная часть (f) пути стола; нерабочая часть хода стола
corsa (f) a vuoto totale del carrello 2
camino (m) perdido del carro

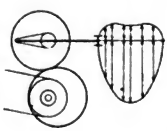
Kurbelantrieb (m) des Schlittens
crank drive of slide table
commande (f) par bielle et coulisseau

передача (f) движенія столу при помощи кривошипнаго механизма
comando (m) della tavola a mezzo di manovella *o* di biella 3
movimiento (m) motor del carro á manivela

Kurbelgetriebe (n)
crank gear
(mécanisme (m) de) mouvement (m) par bielle et coulisseau

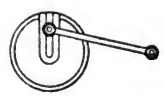
кривошипный механизмъ (m); кривошипная передача (f)
comando (m) a mezzo di manovella 4
movimiento (m) de impulsión á manivela

Kurbelantrieb (m) mit Ellipsenrädern
crank drive with elliptical wheels
commande (f) par manivelle et roues elliptiques



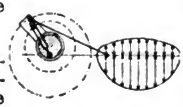
передача (f) при помощи кривошипнаго механизма и эллиптическихъ колёсъ (m); кривошипный механизмъ (m) съ эллиптическими колёсами 5
comando (m) a manovella con ingranaggio ellittico
movimiento (m) motor por manivela con ruedas elípticas

Kurbelschleife (f)
crank guide
coulisse (f) à excentrique



кривошипъ (m) съ кулиссою
disco (m) a glifo della manovella 6
corredera (f) de excéntrico

Umlaufschleife (f), drehende *oder* rotierende Kurbelschleife (f)
rotating crank gear
manivelle (f) à coulisseau tournant, coulisse (f) tournante de manivelle



кривошипъ (m) съ вращающейся кулиссою
disco (m) rotante a glifo della manovella 7
corredera (f) móvil giratoria ó rotatoria de la manivela

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1 Kurbelschwinge (f), schwingende *oder* oszillierende Kurbelschleife (f)
oscillating crank gear
coulisse (f) oscillante *à* manivelle

кривошипъ (m) съ качающейся кулиссою
disco (m) oscillante a glifo della manovella corredera (f) de movimiento de péndulo *ó* oscilante

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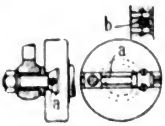
2 verstellbarer Kurbelzapfen (m)
adjustable crank pin
manneton (m) *ou* bouton (m) de manivelle réglable



переставной палецъ (m) кривошипа
bottone (m) di manovella regolabile
espiga (f) graduable de la manivela

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3 Stellschraube (f), Stellspindel (f)
set screw, adjusting screw
vis (f) de réglage

a

установочный винтъ (m)
vite (f) di aggiustaggio
tornillo (m) graduador

---

4 Paßstück (n), Stein (m)
fitted block
douille (f) de guidage

b

пригнанная вставка (f); колодка (f)
corsoio (m)
manguito (m) de guía

Umsteuerung und Schaltung

Перемѣна направленія хода и сообщеніе подачи

5 Reversing and Feed Gear

Cambiamento di marcia ed avanzamento

Avancement et changement de marche

Cambio de dirección y avance

6 umsteuern (v)
to reverse
changer (v) la marche, renverser (v) la marche

перемѣнить (мѣнять) направленіе хода
cambiare (v) *od* invertire (v) la marcia
invertir (v) la marcha

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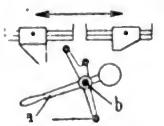
7 Umsteuerung (f)
reverse
changement (m) *ou* renversement (m) de marche



перемѣна (f) направленія хода; механизмъ (m) для перемѣны хода
cambiamento (m) *o* inversione (f) di marcia
cambio (m) de marcha, cambio (m) de dirección

---

8 zwangläufige Umsteuerung (f)
positive *or* forced reversing
renversement (m) de marche automatique *ou* forcé

перемѣна (f) направленія хода самимъ механизмомъ главнаго движенія; принудительная перемѣна хода
inversione (f) automatica del movimento
cambio (m) de marcha forzoso

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selbsttätige Umkehr (f) der Bewegungsrichtung
automatic reversal of the direction of motion
renversement (m) automatique de la marche
автоматическое измѣненіе (n) направленія движенія
ritorno (m) automatico *1*
inversión (f) automática de la dirección de movimiento

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stoßfreier Hubwechsel (m)
change of stroke *or* motion without jerk
renversement (m) de marche sans à-coups
перемѣна хода безъ толчковъ *или* безъ ударовъ
cambiamento (m) di corsa senza urto *2*
cambio (m) de carrera sin golpe

Begrenzung (f) der Weglänge, Hubbegrenzung (f)
limitation of length of path *or* stroke
limitation (f) de la longueur *ou* de l'amplitude de la course
ограниченіе (n) длины хода
limitazione (f) della lunghezza della corsa *3*
limitación (f) de la carrera

Steuerungsantrieb (m)
control mechanism
mécanisme (m) de commande du changement de marche
приводъ (m) для перемѣны хода
comando (m) del cambio *4*
movimiento (m) de cambio de marcha

Steuerungsvorrichtung (f)
reversing apparatus
commande (f) du changement de marche
механизмъ (m) *или* приспособленіе (n) для перемѣны хода
dispositivo (m) *o* meccanismo (m) del cambio *5*
disposición (f) de cambio de marcha

Wendegetriebe (n), [Um-] Kehrgetriebe (n)
reversing gear
mécanisme (m) de renversement *ou* changement de marche
механизмъ (m) для измѣненія направленія хода
comando (m) di cambio della marcia, ingranaggi (m pl) di inversione *6*
mecanismo (m) de inversión

Räderumsteuerung (f)
wheel reversing
renversement (m) de marche par roues d'engrenages
перемѣна (f) направленія хода при помощи зубчатыхъ колёсъ
cambio (m) di marcia ad ingranaggi *7*
inversión (f) de movimiento por engranajes

Räderwendegetriebe (n)
wheel reversing gear
mécanisme (m) de renversement de marche par engrenages
механизмъ (m) для перемѣны хода при помощи зубчатыхъ колёсъ
meccanismo (m) ad ingranaggi di cambio della marcia *8*
mecanismo (m) de inversión por engranajes

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1 Stirnräderwendegetriebe (n)
spur wheel reversing gear
mécanisme (m) de renversement de marche par engrenages droits

механизмъ (m) для перемѣны хода при помощи цилиндрическихъ колёсъ
meccanismo (m) di cambio della marcia ad ingranaggi cilindrici
mecanismo (m) de inversión por engranajes derechos

2 Rücklaufgetriebe (n)
return gear
harnais (m) de renversement de marche

a

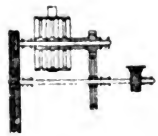
устройство (n) для сообщенія обратнаго хода
meccanismo (m) *od* ingranaggi (m pl) della marcia di ritorno
mecanismo (m) de retroceso

3 Zwischenrad (n)
intermediate wheel
pignon (m) intermédiaire

b

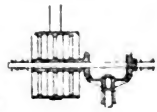
промежуточное колесо (n)
ingranaggio (m) intermedio
rueda (f) interpuesta

4 Hohlradgetriebe (n)
internal gear wheel drive
[mécanisme (m) de] commande (f) par engrenage à denture intérieure



механизмъ (m) для измѣненія направленія хода, работающій при содѣйствіи колеса съ внутренними зубцами
meccanismo (m) ad ingranaggio a denti interni, meccanismo (m) *od* ingranaggio (m) a corona interna
mecanismo (m) de movimiento por rueda hueca

5 Kegelräderwendegetriebe (n)
bevel wheel change gear
mécanisme (m) de renversement de marche par pignons coniques



механизмъ (m) для измѣненія направленія хода при помощи коническихъ колёсъ
meccanismo (m) del ritorno ad ingranaggio d'angolo, ingranaggi (m pl) d'angolo per il ritorno
mecanismo (m) de movimiento por engranajes cónicos

6 Doppelrad (n)
double wheel
roue (f) d'angle à dentures concentriques, roue (f) double d'engrenages

a

двойное зубчатое колесо (n); колесо съ двумя зубчатыми вѣнцами
ingranaggio (m) doppio
rueda (f) de engranajes concéntricos

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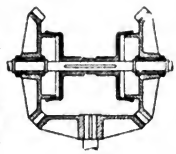
Kegelräderwendegetriebe (n) mit Kegelkupplung
bevel wheel change gear with cone coupling
mécanisme (m) de renversement de marche par pignons coniques et embrayage à friction par cônes



механизмъ (m) для измѣненія направленія хода, дѣйствующій при помощи коническихъ зубчатыхъ колёсъ съ фрикціонными муфтами
meccanismo (m) per il ritorno ad ingranaggi d'angolo con innesti conici, ingranaggi (m pl) d'angolo con innesti conici per il ritorno *1*
mecanismo (m) de movimiento de inversión por engranajes cónicos con acoplamiento de fricción cónico

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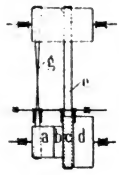
Riemenumsteuerung (f)
belt reverse
renversement (m) de marche par courroies



перемѣна (f) хода при помощи перевода ремней; сводка (f) ремней для перемѣнаго хода
cambio (m) per mezzo di cinghia *2*
cambio (m) de marcha por correa, inversión (f) de la dirección de movimiento por correa

---

Riemenwendegetriebe (n)
belt reversing gear
mécanisme (m) de renversement de marche par courroies

a b c d e g

механизмъ (m) для перемѣны направленія хода при помощи перевода ремней;ременная передача (f) для перемѣны направленія хода *3*
meccanismo (m) a cinghia per il comando di ritorno
mecanismo (m) de inversión de movimiento por correa

---

offener Riemen (m)
open belt
courroie (f) ouverte ou droite

e

прямой ремень (m)
cinghia (f) diritta *4*
correa (f) abierta

---

gekreuzter Riemen (m)
crossed belt
courroie (f) croisée

g

перекрёстный ремень (m)
cinghia (f) incrociata *5*
correa (f) cruzada

Rücklaufriemen (m)
return belt
courroie (f) pour la marche arrière

g

ремень (m) обратнаго хода
cinghia (f) di ritorno *6*
correa (f) de marcha de retroceso

Festscheibe (f)
fixed pulley
poulie (f) fixe

b, c

коренной *или* рабочій шкивъ (m)
puleggia (f) fissa *7*
polea (f) fija

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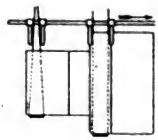
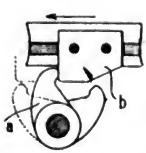
1	Losscheibe (f) loose pulley poulie (f) folle	a, d	холостой шкивъ (m) puleggia (f) folle polea (f) loca
2	Riemenwechsel (m) change over of belt, shifting of belt changement (m) *ou* passe (f) de courroie		переводъ (m) ремня cambio (m) di cinghia cambio (m) de correa
3	gleichzeitige Verschiebung (f) beider Riemen simultaneous shifting of both belts déplacement (m) simultané des deux courroies		одновременный переводъ (m) *или* одновременная сводка (f) обоихъ ремней cambio (m) simultaneo delle due cinghie cambio (m) de posición simultáneo de ambas correas
4	aufeinanderfolgende Verschiebung (f) der Riemen successive shifting of the belts déplacement (m) successif des courroies		поочерёдный переводъ (m) *или* поочерёдная сводка (f) ремней spostamento (m) successivo delle cinghie per mezzo di disco cambio (m) de posición sucesivo de las correas
5	drehbares Schild (n), Kurvenscheibe (f) revolving plate plateau (m) *ou* disque (m) tournant [d'entraînement], plateau (m) à friction	a	поворотный щитъ (m) *или* дискъ (m), [управляющій переводомъ ремней] disco (m) girevole placa (f) giratoria
6	Steuerstange (f) reversing rod *or* bar tringle (f) *ou* barre (f) de manœuvre *ou* de commande		полоса (f) *или* тяга (f) *или* штанга (f) для перевода ремней asta (f) di cambio palanca (f) de dirección
7	Stiefelknechtsteuerung (f) catch reversing gear renversement (m) par taquet et doigt d'entraînement		переводъ (m) ремня отъ поворотныхъ кулаковъ cambio (m) a mezzo di nasello inversión (f) de marcha por leva y tope
8	Stiefelknecht (m), Klaue (f) catch, cam came (f), doigt (m)	a	поворотный кулакъ (m) для перевода ремней nasello (m), camma (f) leva (f)
9	Frosch (m), Knagge (f), [verstellbarer] Anschlag (m), Umsteuerknagge (f) adjustable stop *or* dog taquet (m) *ou* butée (f) ajustable *ou* réglable	b	переставная упорка (f) на столѣ; упорка для перемѣны хода corsoio (m), registro (m) tope (m) graduable

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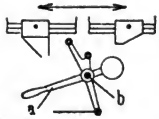
Aufspannut (f) (für die Steuerknagge)
slot for fixing the dog
rainure (f) de fixation

a

канавка (f) *или* паз (m) для укрѣпленія; канавка на столѣ, служащая для укрѣпленія упорокъ
scanalatura (f) *o* corsia (f) per il fissaggio
ranura (f) de sujeción

1

Steuerhebel (m)
reversing lever
levier (m) de changement *ou* de renversement de marche



a

рукоятка (f) для перемѣны хода отъ руки
leva (f) di comando del cambiamento
palanca (f) de cambio *ó* inversión de marcha

2

Steuerwelle (f)
reversing spindle *or* shaft
arbre (m) de renversement

b

валъ (m), управляющій перемѣной хода
albero (m) di comando del cambiamento, asta (f) pel cambiamento
árbol (m) de cambio *ó* inversión de marcha

3

Handgriff (m), Griff (m)
handle
poignée (f), manette (f)

ручка (f)
maniglia (f)
empuñadura (f)

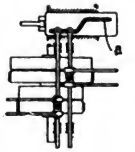
4

Handhebel (m)
hand lever
levier (m) à main

рукоятка (f)
leva (f) a mano
palanca (f) de mano

5

Schieber (m) mit Nut
slide with cranked slot
glissière (f) à coulisse

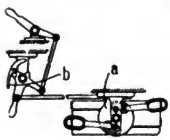


a

ползунъ (m) съ канавкой [управляющій переводомъ ремней]
guidacinghie (f) ad asta scorrevoli *o* ad incastro
distribuidor (m) con ranura

6

Drehschieber (m), Kurvenscheibe (f)
oscillating plate
plateau (m) oscillant



a

поворотный дискъ (m) [управляющій переводомъ ремней]
guidacinghie (f) a disco oscillante, disco (m) oscillante
distribuidor (m) giratorio

7

umlegbare Klaue (f)
throw over *or* reversible claw
cliquet (m) reversible

b

поворотный кулакъ (m); отводящаяся поворотомъ часть (f) на кулакѣ
camma (f) *o* nasello (m) reversibile
garra (f) *ó* uña (f) reclinable

8

gleichschenklige Frösche (m pl)
equal stops
taquets-tocs (m pl) *ou* butées (f pl) symétriques

упорки (f pl) одинаковой длины *или* формы
corsoi (m pl) *o* naselli (m pl) simmetrici
topes (m pl) simétricos

9

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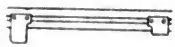
1 ungleichschenklige Frösche (m pl)
unequal stops
taquets (m pl) asymétriques



упорки (f pl) разной длины или неодинаковой формы
corsoi (m pl) *o* naselli (m pl) dissimmetrici
topes (m pl) dobles asimétricos

2 Federpuffer (m)
spring buffer
butoir (m) à ressort, tampon (m) à ressort

пружинный буферъ (m)
arresto (m) *o* repulsore (m) a molla
tope (m) de resorte

3 Drallumsteuerung (f)
reversing gear with helical motion
mécanisme (m) de renversement de mouvement par came hélicoïdale *ou* par arbre à rainure hélicoïdale

механизмъ (m) для перемѣны направленія хода, дѣйствующій отъ канавки на втулкѣ, помѣщённой на валу, управляющемъ передвиганіемъ отводокъ; винтовая сводка (f)
cambiamento (m) di marcia a mezzo di scanalatura elicoidale
cambio (m) de dirección por estriado ó árbol de ranura helicoidal

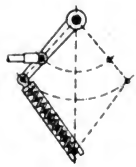
4 Umfaller (m), Umsteuerung (f) mit fallendem Gewicht
reversing gear with falling weight
renversement (m) de mouvement par contrepoids basculants

перекидной грузъ (m); перемѣна (f) хода при содѣйствіи перекиднаго груза
cambiamento (m) di marcia a mezzo di contrappeso
cambio (m) de dirección por caida de peso

5 Anschlag (m)
stop
butée (f), taquet-toc (m)

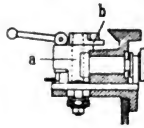
упоръ (m)
arresto (m)
tope (m)

6 Steuerungsvorrichtung (f)
reversing device
dispositif (m) de commande de mouvement (de retour)



механизмъ (m) для перемѣны хода съ примѣненіемъ пружины
meccanismo (m) del cambio *o* di inversione di marcia
disposición (f) de transmisión de movimiento (de retroceso)

7 Kuppelungsvorrichtung (f)
coupling device
[dispositif (m) d'] accouplement (m)



a b

приспособленіе (n) для сцѣпленія
meccanismo (m) di accoppiamento *o* di innesto
[disposición (f) de] acoplamiento (m)

8 kuppeln (v)
to couple
accoupler (v), assembler (v), embrayer (v)

сцѣп-ить (-лять)
accoppiare (v), innestare (v)
acoplar (v), embragar (v)

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entkuppeln (v)
to uncouple
découpler (v), disjoindre (v), débrayer (v)

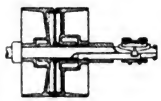
расцѣп-ить (-лять)
disaccoppiare (v), disinnestare (v) *1*
desembragar (v)

---

selbstspannende Kupplung (f)
automatic coupling
accouplement (m) à serrage automatique

муфта (f), удерживающаяся сама собой въ занятомъ положеніи
innesto (m) automatico *2*
acoplamiento (m) de tensión automática

Reib[ungs]kupplung (f) mit Doppelkegel
friction clutch with double cone
embrayage(m)(par cône) de friction double



муфта (f) тренія *или* фрикціонная муфта съ двойнымъ конусомъ
innesto (m) a frizione con doppio cono *3*
embrague (m) de fricción con cono doble

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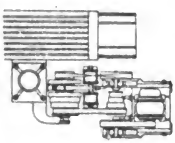
elektromagnetische Umsteuerung (f)
electromagnetic reversing gear
[dispositif (m) de] renversement (m) de marche électro-magnétique

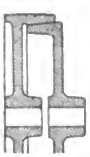


электромагнитный механизмъ (m) для перемѣны направленія хода
cambio (m) *o* inversione (f) di marcia elettromagnetico *4*
cambio (m) de marcha electromagnético

Magnetspule (f)
magnet coil
bobine (f) d'induction

катушка (f) электромагнита
bobina (f) di magnete *5*
carrete (m) magnético

Schleifkontakt (m)
sliding contact
frotteur (m), contact (m) à frottement, balai (m) de prise de courant

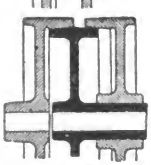


скользящій контактъ (m)
contatto (m) per attrito *6*
contacto (m) rozante

Reib[ungs]kupplung (f)
friction clutch
embrayage (m) à friction

муфта (f) тренія; фрикціонная муфта
innesto (m) a frizione *7*
embrague(m) de fricción

Doppelkegel (m)
double cone
cône (m) double



двойной конусъ (m)
cono (m) doppio *8*
cono (m) doble

Spreizringkupplung (f)
spring ring coupling
accouplement (m) à segments extensibles

муфта (f) съ упругимъ разводимымъ кольцомъ
innesto (m) a frizione ad anello *9*
acoplamiento (m) de anillo de extensión

Momentsteuerung (f)
instantaneous reverse
(dispositif (m) de) renversement (m) de marche instantané *ou* rapide

механизмъ (m) прерывистой подачи
cambio (m) istantaneo *10*
distribución (f) [para inversión de marcha] momentánea

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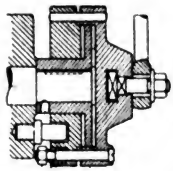
1 Momentkupplung (f)
quick *or* rapid coupling
embrayage (m) *ou* accouplement (m) rapide

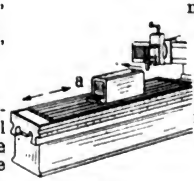


фрикціонное приспособленіе (n) для періодически дѣйствующей подачи
innesto (m) istantaneo
acoplamiento (m) momentáneo

2 Schaltsteuerung (f)
feed control
commande (f) de l'avancement (de l'outil *ou* de la pièce à usiner)

управленіе (n) подачей
comando (m) dell'avanzamento
mecanismo (m) de avance (del portaútil ó de la pieza á trabajar)

3 Vorschubbewegung (f), Schaltbewegung (f), Fortrückbewegung (f), Zuschiebungsbewegung (f)
feed motion
mouvement (m) de déplacement de l'outil *ou* de la pièce, avance (f) de l'outil, serrage (m)



a

движеніе (n) подачи; боковое движеніе
movimento (m) di avanzamento, movimento (m) continuo in avanti, movimento (m) in avanti di avanzamento
movimiento (m) de arranque por trinquete, movimiento (m) de avance, movimiento (m) de alimentación

4 Schaltweg (m), Seitenweg (m)
feed path, lateral feed
sens (m) de déplacement, déplacement (m) latéral *ou* avance (f) latérale [de l'outil]

боковое передвиганіе (n); подача (f)
avanzamento (m) unitario
camino (m) de arranque, camino (m) lateral

5 Vorschub (m)
feed
avance (f), déplacement (m), serrage (m)

подача (f)
avanzamento (m)
avance (m), alimentación (f)

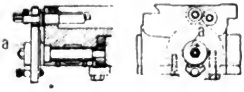
6 gerader Vorschub (m)
straight line feed
avance (f) *ou* déplacement (m) en ligne droite

прямолинейная подача (f); подача въ прямолинейномъ направленіи
avanzamento (m) rettilineo
avance (m) derecho

7 Momentvorschub (m)
quick *or* rapid feed
avance (f) *ou* déplacement (m) rapide

періодическая *или* прерывистая подача (f)
avanzamento (m) istantaneo
avance (m) instantáneo

8 Schaltwerk (n)
feed mechanism
mécanisme (m) d'avance *ou* de déplacement



механизмъ (m) [для сообщенія] подачи
meccanismo (m) di avanzamento
distribución (f) de avance

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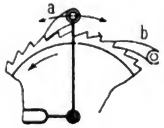
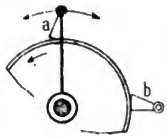
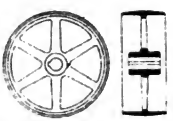
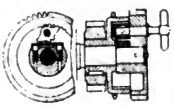
Schaltrad (n) feed wheel roue (f) commandant l'avance	a		колесо (n) подачи ruota (f) di avanzamento rueda (f) de avance	1
Sperrad (n) ratchet wheel roue (f) à rochet			храповое колесо (n); храповикъ (m) ruota (f) d'arresto rueda (f) de trinquete	2
Schaltklinke (f), Sperrklinke (f) pawl cliquet (m)	a, b		собачка (f) храповика nottolino (m) di avanzamento *o* d'arresto trinquete (m), uña (f)	3
Schaltrad (n) mit Klemmklinke feed wheel with friction pawl roue (f) d'avance à chien *ou* à cliquet d'arc-boutement			колесо (n) подачи съ фрикціонной собачкой ruota (f) di avanzamento con nottolino d'arresto a frizione rueda (f) de avance con trinquete de fricción	4
Klemmklinke (f) friction pawl cliquet (m) d'arc-boutement	a, b		[клиновая] фрикціонная собачка (f) nottolino (m) d'arresto a frizione trinquete (m) de fricción	5
Riemenrolle (f), Riem[en]scheibe (f) belt roller *or* pulley poulie (f) *ou* galet (m) *ou* rouleau (m) de guidage de la courroie			[ременный] шкивъ (m) rullo (m) *o* puleggia (f) per cinghia rodaja (f) para la correa	6
Schaltdose (f), geschlossenes Schaltwerk (n) enclosed feed gear boîte (f) du mécanisme de déplacement *ou* d'avance [de l'outil]			храповой механизмъ (m) подачи, помѣщённый въ закрытой коробкѣ scatola (f) di avanzamento, meccanismo (m) a scatola per l'avanzamento caja (f) de arranque, mecanismo (m) de arranque cubierto ó blindado	7
Hobelsupport (m) planing tool carriage chariot (m) *ou* porte-outil (m) [de machine]			[рѣзцовый] суппортъ (m) строгальнаго станка; суппортъ для строгальнаго рѣзца portaferri (m) di piallatrice carro (m) de acepilladora	8

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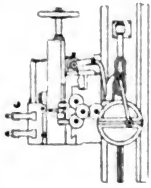
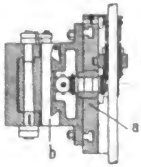
1 Querbalkenschaltwerk (n)
cross slide feed mechanism
mécanisme (m) de commande sur la traverse, mécanisme (m) de commande du chariot sur la traverse



механизмъ (m) для подачи суппорта по поперечинѣ
meccanismo (m) di avanzamento sulla traversa
mecanismo (m) de arranque de traviesa

2 Kreuzschlitten (m)
tool box with crossed slides
porte-outil (m) à mouvement croisé *ou* à chariots croisés, chariot (m) sur traverse à mouvement monte et baisse



крестовыя салазки (f pl)
slitta (f) a croce, porta-utensili (m) a croce
carro (m) cruzado

3 Querschlitten (m), Querbalkensupport (m)
cross *or* traverse slide
chariot (m) transversal

a

поперечныя салазки (f pl)
slitta (f) trasversale
carro (m) transversal

4 senkrechter Schlitten (m), Vertikalschlitten (m), Vertikalsupport (m)
vertical slide
chariot (m) vertical

b

вертикальныя салазки (f pl)
slitta (f) verticale
carro (m) vertical

5 Senkrechthobeln (n), Vertikalhobeln (n)
vertical planing
rabotage (m) vertical

строганіе (n) *или* строжка (f) вертикальныхъ плоскостей
piallatura (f) verticale
el cepillar verticalmente

6 senkrecht *oder* vertikal hobeln (v)
to plane vertically
raboter (v) dans le sens vertical

строгать вертикальныя плоскости
piallare (v) verticalmente
cepillar (v) verticalmente

7 Schräghobeln (n)
angle planing
rabotage (m) oblique *ou* incliné

строганіе (n) *или* строжка (f) наклонныхъ плоскостей
piallatura (f) sotto angolo *od* obliqua
acepilladura (f) oblicua

8 schräg hobeln (v)
to plane at an angle
raboter (v) dans un sens incliné *ou* obliquement

строгать наклонныя плоскости
piallare (v) obliquamente *o* sotto angolo
cepillar (v) oblicuamente

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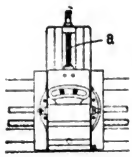
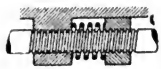
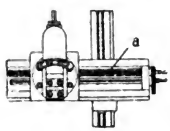
Drehscheibe (f), Lyra (f), Leier (f) swivel plate base (f) *ou* assise (f) pivotante		поворотный дискъ (m) *или* кругъ (m); поворотная часть (f); лира (f) disco (m) girevole placa (f) giratoria, lira (f)	1
Lyraspindel (f), Leierspindel (f) screw spindle of swivel plate vis (f) du support pivotant	a	шпиндель (m) поворотнаго диска; винтъ (m) подачи для верхнихъ салазокъ суппорта строга[те]льнаго станка perno (m) del disco girevole husillo (m) de la lira	2
Schaltschraube (f) feeding screw vis (f) d'avancement		винтъ (m) подачи vite (f) d'avanzamento tornillo (m) del arranque	3
Leitspindel (f) cross traverse screw vis-mère (f)	 a	ходовой винтъ (m) vite (f) conduttrice, vite (f) madre husillo (m) guiador	4
Zahnstange (f) rack crémaillère (f)		зубчатая рейка (f) cremagliera (f), dentiera (f) cremallera (f)	5
Lenkstange (f) feed connecting rod bielle (f), barre (f) de guidage		шатунъ (m) asta (f) di guida barra (f) de guía	6
Ausrückung (f) shifting the belt onto the loose pulley déclanchement (m), débrayage (m)		расцѣпленіе (n); выключеніе (n) disinnesto (m) desembrague (m)	7
ausrücken (v) to shift the belt onto the loose pulley déclancher (v), débrayer (v)		расцѣп-ить (-лять); выключ-ить (-ать) disinnestare (v) desembragar (v)	8
einrücken (v) to shift the belt onto the fast pulley embrayer (v), enclancher (v), engrener (v)		сцѣп-ить (-лять); включ-ить (-ать) innestare (v) embragar (v), disparar (v)	9

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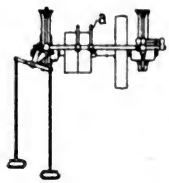

1
Riemenausrücker (m)
belt shifter
[dispositif (m) de] débrayage (m) de courroie, passe-courroie (m)

отводка (f) для ремня; механизмъ (m) для передвиганія ремня
distacco (m) a cinghia
disparador (m) de la correa

2
Riemenführer (m)
belt guide
guide (m) de courroie

a

направляющее приспособленіе (n) для ремня
guidacinghia (f)
conductor (m) de la correa

3
Riemengabel (f)
belt fork
fourchette (f) de courroie

a

переводная вилка (f) для ремня
forchetta (f) di guida, forcella (f) per cinghia
horquilla (f) para la correa

4
Selbstauslösung (f), selbsttätige Ausrückung (f)
automatic shifting of belt onto the loose pulley
débrayage (m) *ou* déclanchement (m) automatique

автоматическое расцѣпленіе (n) *или* выключеніе (n)
disinnesto (m) automatico
parada (f) automática

5
Rundhobeln (n)
round *or* circular planing
rabotage (m) circulaire *ou* en rond

обработка (f) строганіемъ *или* долбленіемъ цилиндрическихъ поверхностей
stozzatura (f) *o* piallatura (f) *o* mortesatura (f) circolare
acepilladura (f) circular *ó* convexa

6
rundhobeln (v)
to plane circularly *or* round
raboter (v) circulairement

обработать (обрабатывать) строганіемъ цилиндрическія поверхности
stozzare (v) *o* piallare (v) *o* mortesare (v) circolarmente
cepillar (v) circularmente *ó* convexo

7
Hohlrundhobeln (n)
internal circular planing
rabotage (m) circulaire en creux, rabotage (m) intérieur

обработка (f) строганіемъ вогнутыхъ поверхностей
stozzatura (f) *o* piallatura (f) *o* mortesatura (f) circolare interna
el cepillar cóncavo

8
hohlrund hobeln (v)
to plane internal circular work
raboter (v) circulairement et en creux, raboter (v) à l'intérieur

обработать (обрабатывать) строганіемъ вогнутыя поверхности
stozzare (v) *o* piallare (v) *o* mortesare (v) interni circolari
cepillar (v) cóncavo

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Einspannung des Werkstücks

Fixing of the Work

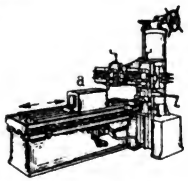
Fixation de la pièce à usiner

Укрѣпленіе обрабатываемаго предмета

Montaggio dei pezzi da lavorare 1

Sujeción de la pieza á trabajar

Werkstück (n), Arbeitstück (n), Hobelstück (n)
piece of work, work [-ing] piece
pièce (f) à usiner, pièce (f) à travailler



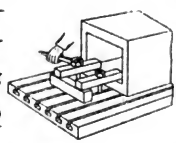
a

обрабатываемый предметъ (m)
pezzo (m) da lavorare 2
pieza (f) á trabajar *o* de labor

Werkstückgewicht (n)
weight of piece of work
poids (m) de la pièce à usiner

вѣсъ (m) обрабатываемаго предмета
peso (m) del pezzo da lavorare 3
peso (m) de la pieza de labor

Einspannen (n), Aufspannen (n), Einrichten (n)
fixing, clamping, setting up
fixation (f), serrage (m)



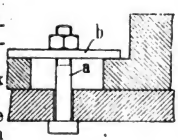
закрѣпленіе (n); укрѣпленіе (n)
montaggio (m) 4
colocación (f), sujeción (f)

---

einspannen (v), aufspannen (v), einrichten (v)
to fix, to clamp, to set up, to fasten
fixer (v), serrer (v), bloquer (v)

закрѣп-ить (-лять); укрѣп-ить (-ять)
montare (v) 5
colocar (v), sujetar (v)

Befestigung(f) des Werkstücks durch Schrauben
fixing the piece of work by means of bolts
fixation (f) de la pièce à travailler au moyen de boulons



укрѣпленіе (n) *или* закрѣпленіе (n) обрабатываемаго предмета болтами
montaggio (m) di un pezzo a mezzo di viti 6
sujeción (f) de la pieza de labor por tornillos *ó* pernos

Aufspannschraube (f)
fixing bolt
boulon (m) de serrage *ou* de fixation

a

затягивающій *или* закрѣпляющій болтъ (m)
vite (f) di tensione *o* di montaggio 7
tornillo (m) *ó* perno (m) de sujeción

[Auf-]Spanneisen (n), Halter (m), Lasche (f)
clamp, clip
bride (f) de serrage

b

нажимная планка (f)
staffa (f) di montaggio *o* di fissaggio, briglia (f) 8
hierro (m) de sujeción, sujetador (m)

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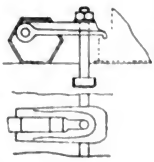
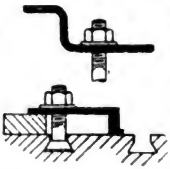
1
Spanneisen (n) für verschiedene Höhenlagen
clamp for various heights
dispositif (m) de serrage à hauteur réglable



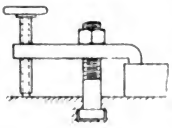
нажимная планка (f) для различныхъ высотъ
morsetto (m) di montaggio *o* fissaggio per altezze *o* spessori vari
hierro (m) de sujetar para diferentes alturas

2
gekröpftes Spanneisen (n)
clamp upset
bride (f) de serrage coudée



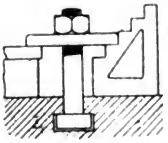
нажимная планка (f) съ отогнутымъ концомъ
staffa (f) *o* briglia (f) a gomito
hierro (m) acodado para sujetar

3
Stützung (f) des Spanneisens durch eine Schraube
supporting the clamp by means of a screw
support (m) de la bride de serrage par vis



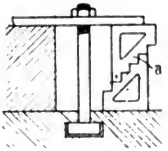
поддержаніе (n) задняго конца нажимной планки посредствомъ винта
sostegno (m) della staffa a mezzo di vite
apoyo (m) del hierro de sujetar por tornillo

4
Stützung (f) des Spanneisens durch eine eiserne Treppe
supporting the clamp by means of a stepped packing block
support (m) de la bride de serrage par bloc à gradins



поддержаніе (n) задняго конца нажимной планки посредствомъ ступенчатой стойки
sostegno (m) della staffa a mezzo di spessori a gradini
apoyo (m) del hierro de sujetar por escalerilla de hierro

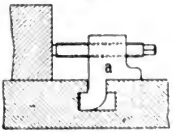
5
zusammengesetzte Treppe (f)
stepped packing blocks one above the other
bloc (m) à gradins superposés



составная ступенчатая стойка (f)
scala (f) composta, spessore (m) a gradini composti
escalerilla (f) compuesta

a

6
Aufspannkloben (m), Spannkloben (m)
clamp dog
bloc (m) de serrage, griffe (f) de serrage, mors (m) de serrage



упорная колодка (f)
barra (f) di serraggio
garra (f) de sujeción

a

7
Aufspannut (f) mit ⊥förmigem Querschnitt
⊥ slot
rainure (f) de serrage en ⊥

канавка (f) ⊥ образнаго сѣченія
scanalatura (f) a forma di ⊤ invertito
ranura (f) de sujecion con corte transversal de ⊤ invertida

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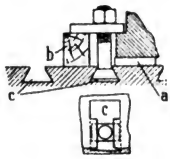
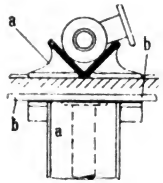
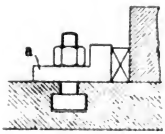
kreisförmige Aufspannnut (f) circular slot rainure (f) de serrage circulaire			круговая канавка (f) для закрѣпленія упорокъ scanalatura (f) circolare ranura (f) de sujeción circular
Werkstückstütze (f) work piece support pièces (f pl) de serrage de la pièce à travailler			приспособленіе (n) для удержанія обрабатываемаго предмета sostegno (m) dei pezzi da lavorare soporte (m) para aguantar la pieza de labor
Unterlage (f) setting up piece pièce (f) d'épaisseur, cale (f)		a	подкладка (f) grossezza (f) *o* spessore (m) di rialzo calce (m)
Unterlegklotz (m) packing up block bloc (m), cale (f)		b	опорная колодка (f) ceppo (m) *o* spessore (m) di sostegno taco (m) para calzar
Aufspannut (f) mit schwalbenschwanzförmigem Querschnitt dovetail slot rainure (f) de serrage en queue d'aronde		c	канавка (f), имѣющая въ сѣченіи форму хвоста ласточки scanalatura (f) a coda di rondine ranura (f) de sujeción con corte transversal en forma de cola de milano
Beilage (f) packing cale (f)		a	угловая подкладка (f); приспособленіе (n) для установки круглыхъ предметовъ (трубъ) squadra (f) (per fissare i pezzi) pieza (f) de apoyo intermedia
Anschlagleiste (f) strip bande (f) d'appui		b	упорная планка (f) suola (f) della squadra (per fissare i pezzi) listón (m) de tope
Winkelstück (n) angle plate équerre (f)		a	угольникъ (m) squadra (f) angolare pieza (f) angular

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1 Unterlegkeil (m)
wedge
cale (f), coin (m)

клинъ (m) для установки по высотѣ
cuneo (m) di spessore, spessore (m) a cuneo
cuña (f) de calzar

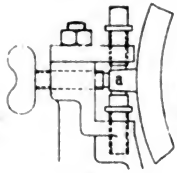
2 Hakenschraube (f)
hook bolt
vis (f) à crochet *ou* à griffe

болтъ (m) съ загнутымъ крючкообразнымъ концомъ
vite (f) a gancio
tornillo (m) de gancho, escarpia (f)

3 Schraubbock (m)
screw block
vérin (m) à vis, support (m) à vis

подъёмный козелокъ (m); установочный винтъ (m), дѣйствующій какъ домкратъ
cavalletto (m) a vite, martinetto (m) a vite
gato (m) de tornillo

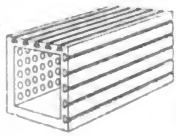
4 Aufspannlappen (m), Einspannlappen (m)
fixing *or* holding flange
nervure (f) de serrage



закрѣпное ребро (n)
naso (m) di fissaggio
nervadura (f) para apretar

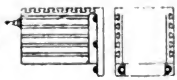
a

5 Aufspannblock (m), Aufspannkasten (m)
vice
table-caisson (f) (à rainures), table (f) cubique



коробчатый столъ (m) съ канавками для укрѣпленія предметовъ
tavola (f) a cassa di montaggio dei pezzi
mesa (f) de sujeción cúbica

6 Aufspannwinkel (m)
grooved setting up table
table-équerre (f) de fixation à rainures



столъ (m)-угольникъ съ пазами; столъ (m) въ видѣ кронштейна для укрѣпленія предметовъ
tavola (f) di montaggio a squadra *o* ad angolo
escuadra (f) [de mesa] de sujeción

7 (wagrechte, senkrechte) Verschiebung (f) *oder* Verstellung (f) der Aufspannwinkel
(horizontal, vertical) movement of the table
déplacement (m) (horizontal, vertical) des tables-équerres de fixation (à rainures)

(горизонтальное, вертикальное) перемѣщеніе (n) столовъ-угольниковъ
spostamento (m) (orizzontale, verticale) della tavola a squadra
corrimiento (m) (horizontal, vertical) de la escuadra de sujeción

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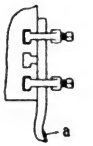
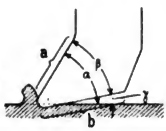
Verspannen (n) *oder* Verziehen (n) (Verbiegen) des Werkstücks bending of the piece of work faussage (m) par serrage de la pièce à travailler, gauchissement (m)			прогибъ (m) обрабатываемаго предмета отъ закрѣпленія storcimento (m) del pezzo da lavorare torcimiento (m) [de la pieza] *1*
Werkzeuge **Tools** **Outils**			**Инструменты** **Utensili** **Útiles** *2*
Hobelstichel (m), Hobelstahl (m), Hobelmeißel (m), [Hobelzähner (m)] planing tool outil (m) raboteur, lame (f) de rabot			строгальный рѣзецъ (m) ferro (m) *o* utensile (m) per piallare acero (m) de cepillar *3*
Stahlschneide (f), Stichelschneide (f) cutting edge tranchant (m) de l'outil		a	рѣжущее ребро (n) *или* рѣжущая кромка (f) рѣзца; лезвіе (n) строгальнаго рѣзца taglio (m) dell'utensile corte (m) *ó* filo (m) del acero *4*
Schneidwinkel (m) cutting angle angle (m) d'entaillage de la surface de coupe, angle (m) de résistance			уголъ рѣзанія; передній уголъ (m) рѣзца angolo (m) di taglio ángulo (m) de frente *5*
Brustwinkel (m), Keilwinkel (m) front rake angle (m) de coupe *ou* de taillant *ou* d'affût		β	уголъ (m) рѣзца; уголъ (m) заостренія рѣзца angolo (m) di resistenza ángulo (m) de corte *6*
Ansatzwinkel (m), Anstell[ungs]winkel (m) clearance angle angle (m) d'attaque *ou* de dépouille		γ	задній уголъ (m) *или* уголъ наклона рѣзца angolo (m) morto *o* di aggiunta ángulo (m) de incidencia *7*
Brustfläche (f) face of lip of tool poitrail (m)		a	передняя плоскость (f) *или* грань (f) рѣзца piano (m) anteriore superficie (f) delantera *8*
Rückenfläche (f) back of tool face (f) d'appui, flanc (m)		b	задняя плоскость (f) *или* грань (f) рѣзца piano (m) posteriore superficie (f) trasera *9*

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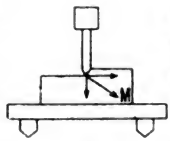
richtiges Anschleifen (n)
1 correct grinding
affûtage (m) exact

правильная заточка (f)
affilatura (f) esatta *o* giusta
afilado (m) correcto

verkehrtes Anschleifen (n)
2 incorrect grinding
affûtage (m) défectueux

неправильная заточка (f)
affilatura (f) sbagliata *o* errata
afilado (m) incorrecto



Querverschiebung (f) des Stahls
3 cross travel of the tool
déplacement (m) transversal de l'outil

поперечное перемѣщеніе (n) рѣзца
spostamento (m) trasversale dell'utensile
deslizamiento (m) transversal del acero

Meißeldruck (m)
4 pressure of tool
pression (f) de l'outil

M

давленіе (n) на рѣзецъ
pressione (f) dell'utensile
presión (f) del acero

Span (m)
5 cutting, chip
copeau (m)

стружка (f)
truciolo (m)
viruta (f)

Schruppstahl (m)
6 roughing tool
outil (m) dégrossisseur

рѣзецъ (m) для черновой обработки; рѣзецъ для обдирки
utensile (m) da sbozzare *o* da sgrossare
acero (m) de desbastar

Schlichtstahl (m)
7 finishing tool
outil (m) finisseur

рѣзецъ (m) для чистовой обработки; отдѣлочный рѣзецъ
utensile (m) da rifinire *o* da finire
acero (m) de repasar *ó* terminar

Stichelerwärmung (f)
8 heating of the tool
échauffement (m) de l'outil

нагрѣваніе (n) рѣзца
riscaldamento (m) dell'utensile
calentamiento (m) del acero

Wärmeabfuhr (f), Wärmeabfluß (m)
9 reduction of the heat
rafraîchissage (m)

отвдееніе (n) тепла
sottrazione (f) di calore
descarga (f) del calor, aislamiento (m) del calor

Wärmeleitung (f)
10 conduction of heat
transmission (f) de la chaleur

теплопроводность (f)
trasmissione (f) di calore
conducción (f) del calor

Wärmeleitfähigkeit (f)
11 capacity for conduction of heat
pouvoir (m) conducteur de la chaleur, conductibilité (f) calorifique

теплопроводная способность (f); способность проводить тепло
conduttività (f) di calore
conductibilidad (f) del calor

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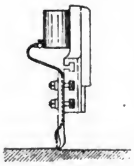


Wasserkühlung (f)
water cooling
refroidissement (m) à l'eau

охлаждение (n) водой
raffreddamento (m) ad acqua
refrigeramiento (m) por agua

1

Werkzeugstahl (m)
tool steel
acier (m) à outils

инструментальная сталь (f)
acciaio (m) da utensili o da attrezzi
acero (m) para herramientas

2

Stahl (m)
steel
acier (m)

сталь (f)
acciaio (m)
acero (m)

3

---

harter Stahl (m)
hard steel
acier (m) dur

твёрдая *или* жёсткая сталь (f)
acciaio (m) duro
acero (m) duro

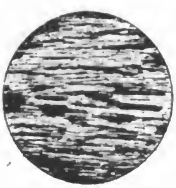
4

---

mittelharter Stahl (m)
medium hard steel
acier (m) demi-dur

сталь (f) средней твёрдости
acciaio (m) mezzo duro
acero (m) semi-duro, acero (m) semi-dulce

5



Schweißstahl (m)
welding steel
acier (m) soudable

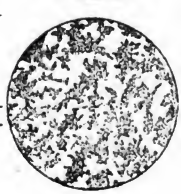
сварочная сталь (f)
acciaio (m) saldabile
acero (m) batido, acero (m) soldado, acero (m) forjado

6

Puddelstahl (m), [Herdfrischstahl (m)]
puddled steel
acier (m) puddlé

пудлинговая сталь (f); [кричная сталь]
acciaio (m) pudellato
acero (m) pudelado: hierro (m) colado refinado al carbón vegetal en fuego de afinería

7



Flußstahl (m)
hard *or* ingot steel
acier (m) fondu homogène, acier (m) homogéne

литая сталь (f)
acciaio (m) omogeneo
acero (m) fundido

8

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1 Bessemer[fluß]stahl (m)
Bessemer steel
acier (m) Bessemer

бессемеровская сталь (f)
acciaio (m) Bessemer
acero (m) Bessemer, acero (m) Bessemer dulce

2 Thomas[fluß]stahl (m)
Thomas steel
acier (m) Thomas

томасовская сталь (f)
acciaio (m) Thomas
acero (m) Thomas, acero (m) Thomas dulce

3 Siemens-Martin[fluß]-stahl (m)
open hearth steel
acier (m) Siemens-Martin *ou* S.-M., acier (m) Martin

мартеновская сталь (f); сименсъ-мартеновская сталь
acciaio (m) Martin
acero (m) Siemens-Martin, acero (m) Siemens-Martin dulce

4 Tiegelstahl (m), Tiegelflußstahl (m)
crucible steel
acier (m) [fondu] au creuset

тигельная сталь (f)
acciaio (m) al crogiuolo
acero (m) al crisol, acero (m) al crisol dulce

5 Feinstahl (m), Gärbstahl (m), Gerbstahl (m), Edelstahl (m), Raffinierstahl (m)
refined steel, shear steel
acier (m) corroyé, acier (m) d'affinage *ou* affiné

раффинированная сталь (f)
acciaio (m) affinato
acero (m) afinado, acero (m) fino, acero (m) refinado

6 Zementstahl (m), Kohlungsstahl (m), Brennstahl (m)
cemented steel
acier (m) cémenté

цементная сталь (f); томлёная сталь; морянка (f); томлянка (f)
acciaio (m) cementato
acero (m) cementado

7 Damaszener Stahl (m), damaszierter Stahl (m)
Damascus steel
acier (m) damasquiné

дамасская сталь (f); булатъ (m)
acciaio (m) damascato
acero (m) damascenado

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Nickelstahl (m)
nickel steel
acier (m) au nickel, acier-nickel (m)

никкелевая сталь (f)
acciaio (m) al nickel
acero (m) al níquel
1

Chromstahl (m)
chromium steel
acier (m) chromé *ou* au chrome, acier-chrome (m)

хромистая сталь (f)
acciaio (m) al cromo
acero (m) al cromo
2

Wolframstahl (m)
Wolfram steel, tungstic steel
acier (m) au Wolfram, acier-tungstène (m)

вольфрамовая сталь (f)
acciaio (m) al Wolframio
acero (m) tungstenoso, acero (m) tungstenado, acero (m) al Wolfram
3

Manganstahl (m)
manganese steel
acier (m) au manganèse, acier-manganèse (m)

марганцовая сталь (f)
acciaio (m) al manganese
acero (m) al manganeso
4

Schnell[lauf]stahl (m), Schnellarbeitstahl (m), Rapidstahl (m)
high speed tool steel
acier (m) pour outils rapides *ou* à coupe rapide

быстрорѣжущая сталь (f); сталь для быстрой обработки металловъ
acciaio (m) rapido
acero (m) rápido
5

Stichelbefestigung (f)
method of holding tool
fixation (f) de l'outil

укрѣпленіе (n) рѣзца
piazzamento (m) dell'utensile
sujeción (f) de la herramienta
6

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drehbares Spanneisen (n)
pivoted clamp
griffe (f) de serrage pivotante

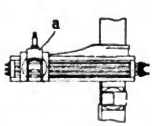
a

поворотный зажимъ (m) для рѣзца
morsetto (m) portautensile girevole, gambero (m)
disposición (f) de sujeción giratoria, colocación (f) giratoria
7

Stichelhaus (n)
tool box, tool post
porte-outil (m)

державка (f) рѣзца; стойка (f) для укрѣпленія рѣзца
morsetto (m) portautensile americano
porta-herramienta (m)
8

Stichelhausschlitten (m), Hobelsupport (m)
tool holder slide
chariot (m) porte-outil



a

верхнія салазки (f pl) рѣзцоваго суппорта
slitta (f) del portautensile
carro (m) del portaherramienta
9

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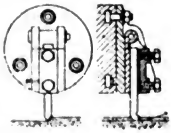
1 Stichelträger (m), Stahlträger (m), Meißelträger (m), [Hobel-] Support (m)
tool carrier
porte-outil (m)



рѣзцовый суппортъ (m)
portautensile (m)
porta-útil (m), porta-acero (m), porta-buril (m)

---

2 Hobelstahleinspannvorrichtung (f)
device for securing planing tool
dispositif (m) de fixation pour outil à raboter, porte-outil (m) pour machine à raboter

приспособленіе (n) для закрѣпленія строгальнаго рѣзца; [фиг.:] откидная державка (f) рѣзца
dispositivo (m) per piazzare l'utensile da piallare
disposición (f) de sujetar el acero de cepillar

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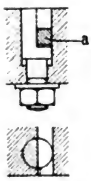
3 Stichelbüchse (f)
tool post *or* holder
cage (f) de fixation de l'outil



приспособленіе (n) для зажима рѣзца
bussola (f) per l'utensile
caja (f) de la herramienta

---

4 Stichelstiel (m)
shank of tool
corps (m) de l'outil

стержень (m) *или* стебель (m) рѣзца
gambo (m) dell'utensile
mango (m) de la herramienta

---

5 Stichelhalter (m), Werkzeughalter (m)
tool holder
porte-outil (m)

приспособленіе (n) для укрѣпленія рѣзца
portautensile (m)
porta-herramienta (m)

---

6 Stichelstange (f), stangenförmiger Werkzeugträger (m)
bar tool holder
barre (f) de porte-outil

оправка (f) съ рѣзцомъ
portautensile (m) a barra, barra (f) portautensile
barra (f) de la herramienta, porta-útil (m) en forma de barra

---

7 selbsttätige Meißelabhebung (f)
self acting lift of the tool
relèvement (m) automatique de l'outil

автоматическое отведеніе (n) рѣзца
sollevamento (m) automatico dell'utensile
levantamiento (m) automático de la herramienta (al retroceder)

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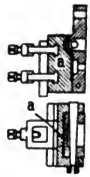
Klappenträger(m)
hinged tool holder
porte-outil (m) à charnière



суппортъ (m) съ откидной поворотной доской
portautensile (m) a snodo
porta-útil (m) de charnela

1

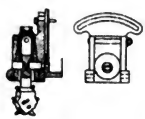
[gelenkige] Klappe (f)
hinged plate
battant (m) à charnière

a

шарнирно укрѣплённая доска (f)
piastra (f) di sostegno del portautensile a snodo
placa (f) á bisagra *ó* articulada

2

Doppelstahlhalter (m) mit elektromagnetischer Umsteuerung
double tool holder with electromagnetic reverse
porte-outil (m) à deux outils à changement de position au moyen d'un électro-aimant



державка (f) для двухъ рѣзцовъ съ электромагнитнымъ механизмомъ для поворота при перемѣнѣ хода
portautensile (m) a due ferri con cambiamento elettromagnetico
porta-acero (m) doble con cambio de posición eléctromagnetico

3

---

den Stahl einstellen (v)
to set the tool
ajuster (v) l'outil, mettre (v) l'outil au point

установить рѣзецъ
piazzare (v) l'utensile
graduar (v) la herramienta

4

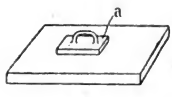
---

genau eben hobeln (v)
to plane dead true
raboter (v) exactement dans un plan, planer (v), dresser (v)

обстрагивать (f) гладко; обстрагивать точно по плоскости
piallare (v) esattamente, piallare (v) un piano esatto
cepillar (v) una superficie lisa con precisión

5

Richtplatte (f)
surface plate
marbre (m)



a

правильная *или* провѣрочная *или* рихтовальная плита (f)
piano (m) di aggiustaggio
mármol (m)

6

Lineal (n)
straight edge
règle (f)

линейка (f)
regolo (m)
regla (f)

7

Wasserwage (f)
water level
niveau (m) d'eau

ватерпасъ (m), уровень (m)
livello (m) ad acqua *od* a bolla
nivel (m)

8

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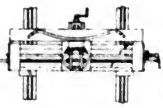
1 Kurvenhobelapparat(m) curve planing apparatus machine (f) à raboter les surfaces courbes, raboteuse (f) de surfaces courbes

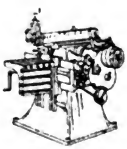


приборъ (m) для строжки кривыхъ поверхностей; кондукторъ (m)
dispositivo (m) per piallare superfici curve
aparato (m) de cepillar curvas

Feilmaschinen
2 **Shaping Machines**
Limeuses

Поперечно-строгальные станки
Limatrici
Máquinas limadoras

3 Feilmaschine (f), Shapingmaschine (f) shaping machine, shaper étau-limeur (m)



поперечно-строгальный станокъ (m); шепингъ-машина (f); шепингъ (m); [у рабочихъ:] самосуйка
limatrice (f) [(f)
máquina (f) limadora, cepillo-limador (m)

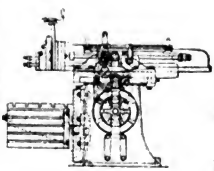
4 Wagrechtfeilmaschine (f), Horizontalfeilmaschine (f) horizontal shaping machine étau-limeur (m) horizontal

поперечно-строгальный станокъ (m); шепингъ (m)
limatrice (f) orizzontale
máquina (f) limadora horizontal

5 doppelte Feilmaschine (f) double shaping machine étau-limeur (m) double

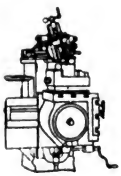
поперечно-строгальный станокъ (m) съ двумя суппортами; двойной шепингъ (m)
limatrice (f) doppia
limadora (f) doble, limadora (f) con dos portaútiles

6 Feilmaschine (f) für Längs-, Quer- und Rundhobeln shaping machine for longitudinal, cross and circular shaping étau-limeur (m) pour rabotage longitudinal et transversal et circulaire



поперечно-строгальный станокъ (m) для продольнаго, поперечнаго и кругового строганія; шепингъ (m) для продольной, поперечной и круговой строжки
limatrice (f) longitudinale e trasversale e circolare
limadora (f) para cepillar longitudinalmente y transversalmente y en redondo

7 Universalfeilmaschine (f), Universalshapingmaschine (f) universal shaping machine étau-limeur (m) universel



универсальный поперечно-строгальный станокъ (m); универсальный шепингъ (m)
limatrice (f) universale
limadora (f) universal

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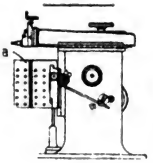
Arbeitstisch (m), Tisch (m) [working] table
table (f) de fixation



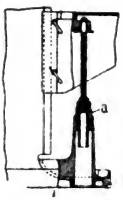
a

рабочій столъ (m)
tavola (f)
mesa (f) (de sujeción) 1

Tischverstellung (f)
table adjustment
déplacement (m) *ou* ajustage (m) de la table

перестановка (f) стола
spostamento (m) della tavola
graduación (f) de la mesa 2

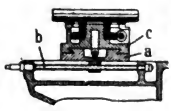
Stützmutter (f)
nut for elevating table
écrou (m) de levée de la table



a

гайка (f) для подъёма стола
vite (f) *o* madrevite (f) di sostegno *o* di innalzamento
tuerca (f) de levantamiento de la mesa 3

Kreuzschlitten (m), Kreuzsupport (m)
table with cross feeds, compound rest
chariot (m) *ou* table (f) à mouvements transversal et vertical



крестовый суппортъ (m)
slitta (f) a croce, tavola (f) a croce
carro (m) transversal y vertical, mesa (f) ó soporte (m) de movimientos en cruz 4

Bettschlitten (m), Langschlitten (m), Längsschlitten (m)
bed *or* longitudinal slide, cross slide
chariot (m) porte-outil transversal, coulisseau (m) porte-outil

a

продольныя салазки (f pl) станины
slitta (f) *o* tavola (f) longitudinale
carro (m) de bancada, carro (m) transversal del soporte 5

Längsschlittenspindel (f)
screw spindle for longitudinal slide
vis (f) de commande du mouvement longitudinal du porte-outil

b

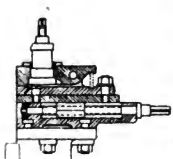
ходовой винтъ (m) продольнаго самохода
vite (f) di comando del movimento longitudinale
eje (m) del carro longitudinal porta-útil 6

Querschlitten (m)
transverse slide, table
chariot (m) transversal

c

поперечныя салазки (f pl)
slitta (f) *o* tavola (f) trasversale
carro (m) transversal 7

Querhobelsupport (m)
cross tool carriage *or* head
chariot (m) de porte-outil



рѣзцовый суппортъ (m) поперечно-строгальнаго станка
testa (f) *o* sopporto (m) portautensile trasversale
soporte (m) de cepillar de movimiento transversal 8

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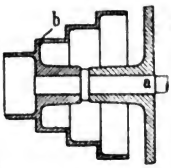
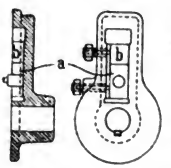
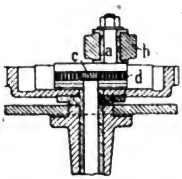
1	Stößelantrieb (m) drive of the ram commande (f) du coulisseau porte-outil		передача (f) движенія рѣзцовой призмѣ comando (m) dello slittone *o* del braccio mobile movimiento (m) motor del porta-útil
2	Antriebspindel (f) driving spindle arbre (m) de commande		валъ (m) приводнаго шкива albero (m) di comando husillo (m) principal del movimiento motor
3	Antriebstufenscheibe (f) driving cone pulley poulie (f) de commande à gradins, cône (m) de commande	b	приводный ступенчатый шкивъ (m) puleggia (f) a gradini di comando cono (m) de velocidades
4	Kurbelschleife (f), Exzenterschleife (f) slotted crank plate manivelle (f) à coulisse		вращающаяся кулиса (f) piastra (f) a manovella, piastra (f) ad eccentrico manivela (f) de corredera
5	Kulissenstein (m), Gleitstein (m), Gleitstück (n) slide *or* die block coulisseau (m)	a	кулиссный камень (m); ползунъ (m) corsoio (m) taco (m) *ó* pivote (m) de la corredera
6	Steinführung (f) guide *or* slide way coulisse (f)	b	кулиса (f) guida (f) del corsoio corredera (f) del pivote *ó* del taco
7	Gleitsteinzapfen (m), Kulissenzapfen (m) crank pin maneton (m) *ou* tourillon (m) de coulisseau		цапфа (f) кулиссы bottone (m) *o* perno (m) del corsoio espiga (f) de la corredera
8	Stangenkopf (m) connecting rod end tête (f) de bielle	a b	головка (f) шатуна testa (f) della biella cabeza (f) de la biela
9	Getriebe (n), Trieb (m) pinion pignon (m)	c	шестерня (f) pignone (m) *od* ingranaggio (m) motore engranaje (m) motor, piñón (m)
10	Zahnstange (f) rack crémaillère (f)	d	зубчатая рейка (f) cremagliera (f) cremallera (f)

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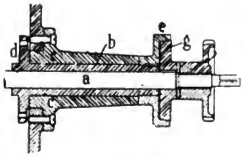
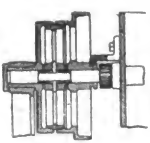
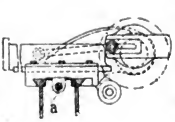
Spindel (f) zur Hubverstellung spindle for regulating action *or* stroke arbre (m) pour le réglage de course		a	валикъ (m) для измѣненія длины хода albero (m) per regolare la corsa husillo (m) de graduación de la carrera	1
Hülse (f) bush douille (f), manchon (m)		b	втулка (f); трубка (f) bussola (f) manguito (m)	2
Hülsenlager (n) sleeve douille (f) formant palier		c	стаканъ (m), служащій для поддержанія втулки sopporto (m) della bussola, manicotto (m) cojinete (m) del manguito	3
Hülsenbund (m), Hülsenflansch (m) flange of bush collet (m) de la douille		d	фланецъ (m) втулки corona (f) o ribordo (m) della bussola brida (f) del manguito	4
Reibkupplung (f) friction clutch embrayage (m) à friction		e	фрикціонъ (m); муфта (f) трепія innesto (m) a frizione embrague (m) de fricción	5
Reibkegel (m) friction disc *or* cone cône (m) de friction		g	фрикціонный конусъ (m); конусъ трепія cono (m) a frizione cono (m) de fricción	6
Kegelreibungskupplung (f) cone friction coupling embrayage (m) par cônes de friction			коническая фрикціонная муфта (f) innesto (m) a coni di frizione embrague (m) de conos de fricción	7
Antrieb (m) durch Umlaufschleife drive by means of slotted crank plate commande (f) par coulisse rotative			передача (f) движенія вращающейся кулиссой comando (m) con manovella a disco movimiento (m) por corredera rotatoria	8
Schaltschraube (f) cross traverse screw for ram vis (f) de l'avance transversale		a	винтъ (m) подачи vite (f) di spostamento dello slittone tornillo (m) del avance transversal	9

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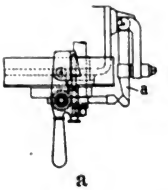
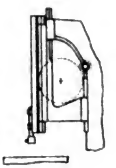


1 Federhebel (m)
spring lever
levier (m) à ressort

пружинный рычагъ (m)
leva (f) a molla
palanca (f) á resorte

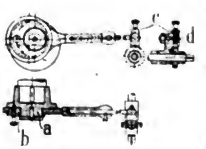


2 Zahnstangenantrieb (m) des Stößels
rack and pinion drive of ram
commande (f) par crémaillère du porte-outil

передача (f) движенія рѣзцовой призмъ отъ зубчатой рейки
comando (m) a cremagliera del braccio
movimiento (m) motor del porta-útil por cremallera

3 elektrischer Antrieb (m)
electric drive
commande (f) électrique

электрическій приводъ (m); передача (f) движенія отъ электродвигателя
comando (m) elettrico
movimiento (m) motor eléctrico



4 Exzentersteuerung (f)
eccentric control
commande (f) par excentrique

механизмъ (m) съ эксцентрикомъ, служащій для сообщенія подачи
cambiamento (m) di marcia *od* inversione (f) del movimento ad eccentrico
movimiento (m) motor por excéntrico

5 Exzentrizität (f)
eccentricity
excentricité (f)

эксцентриситетъ (m)
eccentricità (f)
excentricidad (f)

6 Steuerexzenter (n)
control eccentric
excentrique (m) de commande

a b

эксцентрикъ (m) механизма подачи
eccentrico (m) del cambiamento di marcia *o* dell'inversione del movimento
excéntrico (m) motor

7 Ausrücker (m)
disengaging latch
bouton (m) de débrayage

c

стержень (m) для расцѣпленія [собачки]
interruttore (m), bottone (m) *o* perno (m) di disinnesto
espiga (f) de desembrague

8 ausrückbare Sperrklinke (f)
disengaging pawl
cliquet (m) débrayable

d

собачка (f), допускающая расцѣпленіе
nottolino (m) disinnestabile
trinquete (m) desembragable

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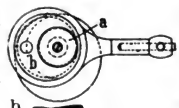
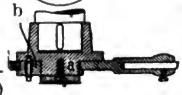


Exzenterzapfen (m)
eccentric pin
maneton (m) *ou* bouton (m) excentré

цапфа (f), на которую надѣвается эксцентрикъ
bottone (m) *o* perno (m) dell'eccentrico
espiga (f) del excéntrico

1

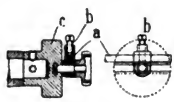


Exzenterscheibe (f), Kurbelscheibe (f)
eccentric disc
plateau (m) [d'] excentrique, plateau (m) [de] manivelle

эксцентриковый дискъ (m)
disco (m) a manovella, disco (m) ad eccentrico
disco (m) excéntrico, disco-manivela (m)

2

b



Schaltstange (f)
feed rod
biellette (f) de commande

шатунчикъ (m) подачи
asta (f) di avanzamento
biela (f) de mando

3

a

Klemmschraube (f)
set screw
vis (f) de serrage

b

зажимный винтъ (m)
vite (f) di serraggio
tornillo (m) de aprieto

4

Stellscheibe (f)
regulating disc
disque (m) de réglage

c

дискъ (m), допускающій перестановку пальца
disco (m) regolatore, disco (m) graduato
disco (m) graduador

5

Stößel (m) *oder* Schlitten (m) der Feilmaschine
slide *or* ram of shaper
coulisseau (m) porte-outil d'étau-limeur

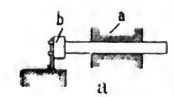
рѣзцовая призма (f) поперечнострогальнаго станка
slittone (m), braccio (m) mobile
porta-útil (m) *ó* carro (m) de la limadora

6

Stößelhub (m)
stroke of ram
mouvement (m) du (coulisseau) porte-outil, course (f) du coulisseau

ходъ (m) рѣзцовой призмы
corsa (f) dello slittone *o* del braccio mobile
movimiento (m) de avance del porta-útil

7



Stößelführung (f)
ram guide
guidage (m) de coulisseau (porte-outil), glissières (f pl) du porte-outil

направляющія (f pl) рѣзцовой призмы
guida (f) dello slittone *o* del braccio mobile
guía (f) del porta-útil

8

a

Stößelkopf (m)
ram head
tête (f) du coulisseau (porte-outil)

b

головка (f) рѣзцовой призмы
testa (f) dello slittone *o* del braccio mobile
cabezal (m) del porta-útil

9

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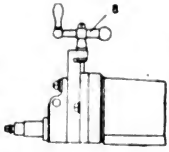
1 Stichelschlitten (m)
tool slide
chariot (m) porte-outil

верхнія салазки (f pl) суппорта, несущія рѣзецъ
portautensile (m) dello slittone *o* del braccio mobile
carro (m) del porta-útil

2 Handrad (n)
hand wheel
manette (f)

маховичокъ (m)
volantino (m) a mano
rueda (f) á mano

3 Kugelkurbel (f)
ball handle, balanced crank
manivelle (f) équilibrée

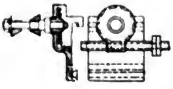


уравновѣшенная рукоятка (f)
manovella(f) equilibrata
manivela (f) equilibrada

4 Hobeln (n) hohler Flächen
shaping of hollow surfaces
mortaisage (m) *ou* rabotage (m) de surfaces concaves *ou* de pièces creuses

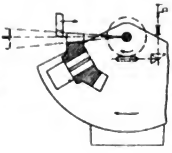
строганіе (n) *или* строжка (f) вогнутыхъ [цилиндрическихъ] поверхностей
piallatura (f) di superfici concave ed interne
el cepillar superficies cóncavas

5 Rundhobelvorrichtung (f)
circular shaping device
mécanisme (m) de rabotage de surfaces cylindriques



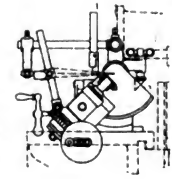
приспособленіе (n) для строганія по кругу; аппаратъ (m) для строганія цилиндрическихъ предметовъ
dispositivo (m) per piallare tondo *o* circolare
disposición (f) para cepillar redondo

6 Kegelräder hobeln (v)
to shape bevel wheels
tailler (v) *ou* mortaiser (v) les pignons *ou* roues coniques



строгать зубцы коническихъ колёсъ
piallare (v) ingranaggi conici
acepillar (v) los engranajes cónicos

7 Kegelräderhobelvorrichtung (f)
bevel wheel shaping device
dispositif(m) pour tailler les pignons coniques



приспособленіе (n) для строжки коническихъ колёсъ; аппаратъ (m) для строганія зубцовъ коническихъ колёсъ
dispositivo (m) per piallare gli ingranaggi conici
disposición (f) para cepillar engranajes cónicos

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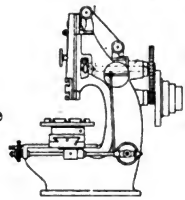
Stoßmaschinen | **Долбежные станки** (съ вертикальнымъ движеніемъ рѣзца)

Slotting Machines | **Шепинги** (съ горизонтальнымъ движеніемъ рѣзца) 1

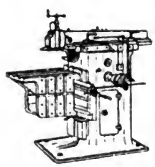
Mortaiseuses | **Stozzatrici, mortesatrici**

Mortajadoras



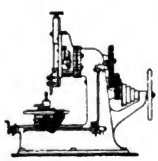
Stoßmaschine (f), Bestoßmaschine (f)
slotting machine
mortaiseuse (f), machine (f) à mortaiser

долбёжный станокъ (m)
stozzatrice (f), mortesatrice (f)
mortajadora (f), máquina (f) de mortajar 2



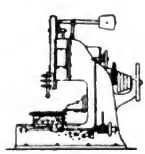
wag[e]rechte *oder* liegende Stoßmaschine (f), Horizontalstoßmaschine (f)
horizontal slotting machine
mortaiseuse (f) horizontale, étau-limeur (m)

шепингъ (m)
stozzatrice (f) *o* mortesatrice (f) orizzontale
mortajadora (f) horizontal 3



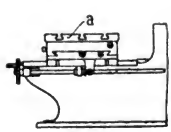
Stoßmaschine (f) mit drehbarer Stößelführung
slotting machine with swivel plate for inclining the ram
mortaiseuse (f) à tête inclinable

долбёжный станокъ (m) съ поворотными направляющими рѣзцовой призмы
stozzatrice (f) *o* mortesatrice (f) a portautensile *od* a slittone girevole
mortajadora (f) de cabezal inclinable *ó* giratorio 4



Nut[en]stoßmaschine (f)
key way slotting machine
mortaiseuse-raineuse (f), mortaiseuse (f) à faire les rainures, mortaiseuse (f) à rainer

долбёжный станокъ (m), приспособленный для пробиранія шпоночныхъ канавокъ
macchina (f) per fare cave di chiavette, stozzatrice (f) per cave di chiavette
máquina (f) de hacer ranuras, mortajadora (f) de ranurar 5

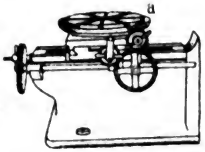


Arbeitstisch (m)
table
plateau (m)

рабочій столъ (m)
tavola (f)
mesa (f) 6

a

1



Rundtisch (m), Rundsupport (m)
round *or* circular table
plateau (m) *ou* table (f) circulaire

круглый столъ (m) суппорта
tavola (f) circolare
mesa (f) *ó* soporte (m) circular

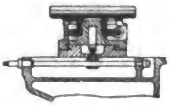
2

Tisch (m) mit Ölrand
table with retaining rim
plateau (m) (tournant) *ou* table (f) (pivotante) à gouttière pour l'huile

a

столъ (m) съ канавкой *или* съ желобкомъ для масла
tavola (f) con ribordo per l'olio
mesa (f) de sujeción giratoria con gotera para el aceite

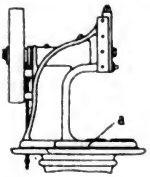
3



drehbarer Aufspanntisch (m)
revolving table
plateau (m) tournant

поворотный столъ (m) [для обработки по кругу]
tavola (f) girevole *o* rotativa
mesa (f) de sujeción giratoria

4

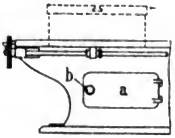


Froschplatte (f)
table bed plate
table (f) de fixation de la pièce

упорная колодка (f)
piastra (f) a gola, piastra (f) di base
mesa (f) de fijación de la pieza

a

5



Tür (f)
door
porte (f)

дверцы (f pl)
porta (f)
puerta (f)

a

6

Türknopf (m)
doorknob
bouton (m) *ou* poignée (f) de porte

b

кнопка (f) дверецъ
bottone (m) della porta
picaporte (m)

7

stoßen (v)
to slot
mortaiser (v), raboter (v) verticalement

долбить
stozzare (v), mortesare (v)
mortajar (v) *ó* cepillar (v) verticalmente

8

Bestoßen (n) des Werkstücks
slotting the piece of work
mortaisage (m) de la pièce

долбленіе (n) обрабатываемаго предмета; обдалбливаніе (n) предмета
stozzatura (f) *o* mortesatura (f) di un pezzo
escopleadura (v), acción (f) de mortajar

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Langstoßen (n)
longitudinal slotting
mortaisage (m) longitudinal, chaufreinage (m)

продольное долбленіе (n); долбленіе вдоль
stozzatura (f) *o* mortesatura (f) longitudinale *1*
el mortajar longitudinalmente

Querstoßen (n)
transverse slotting
mortaisage (m) transversal

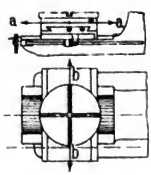
поперечное долбленіе (n); долбленіе поперёкъ
stozzatura (f) *o* mortesatura (f) trasversale *2*
el mortajar transversalmente

Kundstoßen (n)
circular slotting
mortaisage (m) circulaire

круговое долбленіе (n); долбленіе по кругу
stozzatura (f) *o* mortesatura (f) circolare *3*
el mortajar circularmente

Nuten stoßen (v)
to slot *or* cut grooves
mortaiser (v), faire (v) des rainures, rainer (v)

долбить шпоночныя канавки
stozzare (v) *o* fare (v) cave *4*
hacer (v) ranuras



a

Längsgang (m) des Arbeitstisches
longitudinal motion of the table
mouvement (m) longitudinal de la table *ou* du plateau

продольное движеніе (n) *или* продольный ходъ (m) рабочаго стола
corsa (f) longitudinale della tavola *5*
movimiento (m) longitudinal de la mesa

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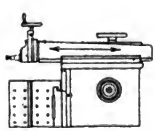
b

Quergang (m) des Arbeitstisches
transverse motion of the table
mouvement (m) transversal de la table *ou* du plateau

поперечное движеніе (n) *или* поперечный ходъ (m) рабочаго стола
corsa (f) trasversale della tavola *6*
movimiento (m) transversal de la mesa



wagrechte *oder* horizontale Schlittenbewegung (f)
horizontal motion of slide *or* ram
mouvement (m) horizontal du coulisseau *ou* chariot

горизонтальное движеніе (n) рѣзцовой призмы шепинга
corsa (f) orizzontale dello slittone *o* del braccio mobile *7*
movimiento (m) horizontal del carro *ó* cabezal

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senkrechte *oder* vertikale Schlittenbewegung (f)
vertical movement of slide *or* ram
mouvement (m) vertical du chariot *ou* coulisseau porte-outil

вертикальное движеніе (n) рѣзцовой призмы долбёжнаго станка
corsa (f) verticale dello slittone *o* del braccio mobile *8*
movimiento (m) vertical del carro *ó* cabezal

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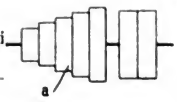
Vorgelege (n)
countershaft
1 contre-arbre (m), renvoi (m) du mouvement

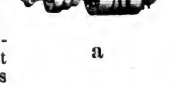


контръ-приводъ (m)
contralbero (m), rinvio (m)
contra-mar cha (f)

Stufenscheibe (f)
2 cone pulley
poulie (f) a gradins

ступенчатый шкивъ (m)
puleggia (f) a gradini
cono (m) de velocidades

Deckenvorgelege (n)
overhead countershaft
3 transmission (f) *ou* renvoi (m) de mouvement supporté par chaises

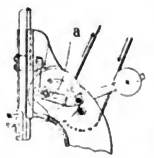


потолочный контръ-приводъ (m)
contralbero (m) pendente contro-soffitta
contra-marcha (f) de techo

Spindelstock (m)
4 head stock
tête (f) avec vis de commande

валъ (m) главной передачи
mandrino (m) del disco, albero (m) di comando
cabezal (m) de husillo

Kurbelschwinge (f)
5 oscillating crank lever
manivelle (f) oscillante [à coulisse]

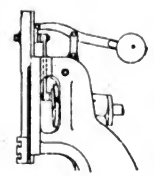


кривошипъ (m) съ качающейся кулиссою
manovella (f) oscillante, disco (m) a manovella oscillante
manivela (f) oscilante de corredera

verstellbarer Kurbelzapfen (m)
adjustable crank pin
6 maneton (m) *ou* tourillon (m) de manivelle déplaçable *ou* réglable

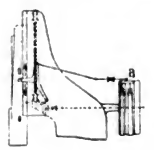
переставной палецъ (m) *или* переставная цапфа (f) кривошипа
bottone (m) *o* perno (m) spostabile della manovella
espiga (f) graduable de la manivela

Antrieb (m) durch Kurbel und Lenkstange
driving by means of crank and connecting rod
7 commande (f) par manivelle et bielle



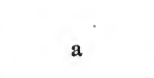
передача (f) движенія посредствомъ кривошипа и шатуна
comando (m) a mezzo di biella e manovella
movimiento (m) por manivela y biela

Schraubenantrieb (m) des Stößels
screw drive of ram
8 commande (f) du coulisseau porte-outil par vis



передача (f) движенія рѣзцовой призмѣ при помощи винта и гайки
comando (m) a vite dello slittone *o* del braccio mobile
movimiento (m) del porta-útil por tornillo sin fin

Riemenumsteuerung (f)
belt reversing
9 renversement (m) [de marche] par courroies



перемѣна (f) хода при помощи перевода ремней
inversione (f) del movimento a cinghia
cambio (m) de marcha por correas

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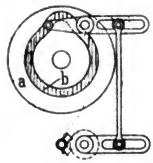
Steuerung (f) durch Kurvenscheibe
control by cam disc
commande (f) par plateau à coulisse courbe



подача (f) посредствомъ диска съ криволинейнымъ пазомъ
comando (m) dello slittone con disco a camma
movimiento (m) motor por disco de curvas

1

Kurvenscheibe (f), Kurvenzahnrad (n)
cam disc
plateau (m) à coulisse courbe, plateau (m) à came

a

дискъ (m) съ криволинейнымъ пазомъ *или* съ криволинейной канавкой
disco (m) a camma
disco (m) de curvas

2

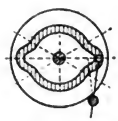
Steuerkurve (f)
cam path
coulisse (f) courbe [de commande], came (f)

b

криволинейная канавка (f) для подачи
camma (f) curva del movimento *o* del comando
curva (f) motriz

3

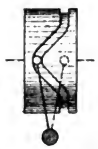
Daumennut (f) auf ebener Fläche
cam slot on plane surface
rainure-came (f) *ou* coulisse (f) courbe pratiquée dans une surface plane



фигурная канавка (f) на плоскомъ дискѣ
camma (f) scanalata in superficie piana *o* sopra disco
curva (f) ranurada en superficie plana

4

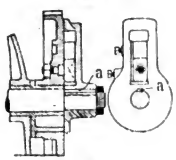
Daumennut (f) auf walzenförmiger Fläche
cam slot on cylindrical surface
rainure-came (f) pratiquée dans une surface cylindrique



фигурная канавка (f) на цилиндрической поверхности
camma (f) scanalata in superficie cilindrica *o* sopra cilindro
curva (f) ranurada sobre cilindro

5

Feder (f)
key
clavette (f)

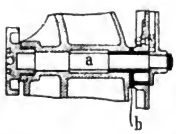


a

шпонка (f)
molla (f), chiavetta (f)
chaveta (f)

6

Kurbelwelle (f), Exzenterwelle (f)
eccentric shaft
arbre (m) à excentrique



a

кривошипный валъ (m); эксцентриковый валъ
albero (m) dell'eccentrico *o* della manovella
árbol (m) de excéntrico

7

Lagerbüchse (f)
bushing
coussinet (m)

b

втулка (f) подшипника: [фиг.:] втулка съ эксцентрической цапфой на концѣ
cuscinetto (m), cuscinetto (m) a bussola
cojinete (m)

8

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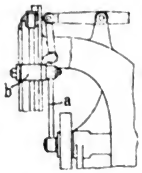
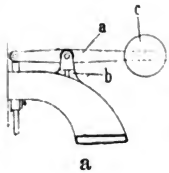
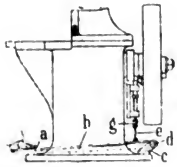


1	Steuergestänge (n) control rods (pl) bielles (f pl) et tringles (f pl) de commande		приспособленіе (n) для передачи движенія [приводъ] aste (f pl) di comando o di movimento (dello slittone) bielas (f pl) y vástagos (m pl) de impulsión
2	Zugstange (f) connecting rod bielle (f)	a	шатунъ (m) biella (f) di comando biela (f) de tracción
3	Stellzapfen (m) adjustable pin tourillon (m) réglable	b	переставная цапфа (f) corsoio (m), spina (f) regolabile espiga (f) de graduación
4	Hebel (m), Gewicht[s]-hebel (m) lever, weighted lever, lever with balance weight levier (m), levier (m) à contrepoids	 a	рычагъ (m); рычагъ съ противовѣсомъ leva (f), leva (f) del contrappeso palanca (f), palanca (f) con contra-peso
5	Lagerbock (m) des Gewicht[s]hebels fulcrum bracket support (m) du levier à contrepoids	b	опора (f) для рычага съ противовѣсомъ sopporto (m) del fulcro della leva del contrappeso soporte (m) de la palanca de contra-peso
6	Gegengewicht (n) balance weight contrepoids (m)	c	противовѣсъ (m) contrappeso (m) contra-peso (m)
7	Auslösung (f) release déclanchement (m), débrayage (m)		разобщеніе (n); расцѣпленіе (n) disinnesto (m) desembrague (m)
8	Fußtritt (m) pedal pédale (f)	a	педаль (f) pedalę (m) pedal (m)
9	Tritthebel (m) pedal *or* foot lever levier (m) à pédale	b	рычагъ (m) педали pedale (m), leva (f) a pedale palanca (f) á pedal
10	Trittlager (n) fulcrum bracket palier (m) de pédale	c	подшипникъ (m) [для оси поворота] педали sopporto (m) del fulcro del pedale cojinete (m) del pedal

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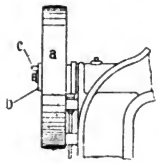
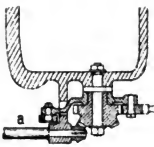
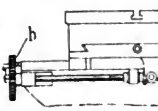
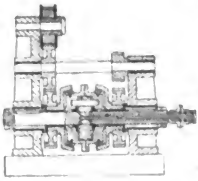
Drehbolzen (m) fulcrum pin tourillon (m), axe (m)	d		болтъ (m), около котораго поворачивается педаль fulcro (m) di rotazione perno (m) de rotación
Trittstange (f) operating rod bielle (f) de pédale, tringle (f) de pédale	c		тяга (f) педали biella (f) del pedale biela (f) de pedal
Verbindungsöse (f) S-hook œillet (m) de raccordement	g		соединительная серьга (f) congiunzione (f), collegamento (m) anillo (m) de unión
Schwungrad (n) flywheel volant (m)	 a		маховикъ (m) volante (m) volante (m)
Halt[e]scheibe (f) stop disc disque (m) d'arrêt	b		удерживающая шайба (f) renella (f) *o* disco (m) d'arresto *o* di ritegno disco (m) de parada
Mitnehmerbolzen (m) fixing set screw doigt (m) d'entraînement, ergot (m) d'entraînement	c		ведущій палецъ (m) spina (f) d'innesto espiga (f) de tope conductor
Selbstgang (m) des Vorschubs automatic feed mouvement (m) d'avance automatique			самоходъ (m) подачи avanzamento (m) automatico movimiento (m) de marcha automática
Sperrwerk (n) rack mechanism (mecanisme (m) d') encliquetage (m)			храповичный механизмъ (m) meccanismo (m) d'arresto disposición (f) de trinquete
Schaltspindel (f), Vorschubspindel (f), Schaltwelle (f) feed spindle, feed rod arbre (m) de commande [de l'avance]	 a		винтъ (m) подачи; валъ (m) подачи albero (m) di comando dell'avanzamento husillo (m) *ó* árbol (m) de disparo, husillo (m) de avance
Vorschubrad (n), Vorschubzahnrad (n) toothed feed wheel pignon (m) de commande de l'avance	 b		зубчатое колесо (n) подачи ingranaggio (m) di comando dell'avanzamento rueda (f) de avance, engranaje (m) de avance

1 Druckluftumsteuerung (f), Preßluftumsteuerung (f)
pneumatic reverse *or* reversing gear
[dispositif (m) de] renversement (m) · de marche à l'air comprimé *ou* pneumatique



пневматическая перемѣна (f) хода; перемѣна хода при помощи сжатаго воздуха
inversione (f) del movimento *o* cambio (m) di marcia ad aria compressa
inversión (f) de marcha por aire comprimido

---

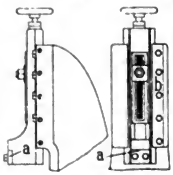
2 Stößel (m), Stoßmaschinenstößel (m), Stoßschlitten (m), Vertikalschlitten (m)
ram, slotting machine ram
coulisseau (m) de mortaiseuse

рѣзцовая призма (f) долбёжнаго станка; долбякъ (m)
slittone (m) *o* braccio (m) mobile
porta-útil (m), porta-útil (m) de una máquina mortajadora, carro (m) porta-útil

---

a

3 Werkzeughalter (m)
tool holder
porte-outil (m)



приспособленіе (n) для укрѣпленія рѣзца
portautensile (m)
porta-útil (m)

b

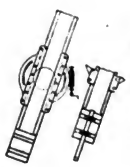
---

4 Stoßschlittenleiste (f), Führungsleiste (f)
gib
lardon (m) de guidage

направляющая полоса (f) для призмы
lardone (m) dello slittone *o* del braccio mobile
listón (m) del carro porta-útil, listón (m) de conducción

---

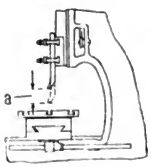
5 Schrägstellung (f) des Stößels
inclined position of ram
inclinaison (f) du coulisseau



наклонная установка (f) рѣзцовой призмы
posizione (f) inclinata dello slittone *o* del braccio mobile
inclinación (f) del cabezal ó porta-útil

---

6 Hubhöhe (f) des Stößels
ram stroke length
hauteur (f) de course du coulisseau



величина (f) хода рѣзцовой призмы
corsa (f) dello slittone *o* del braccio mobile
altura (f) de carrera del porta-útil, carrera (f) del porta-útil

a

---

7 Hubzahl (f) des Stößels
ram stroke number
nombre (m) de courses du coulisseau

число (n) ходовъ рѣзцовой призмы
numero (m) dei colpi *o* delle corse dello slittone *o* del braccio mobile
número (m) de carreras del porta-útil

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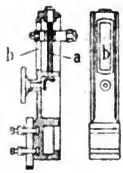
verstellbarer Stößelzapfen (m)
adjustable ram pin
tourillon (m) réglable du coulisseau



переставной палецъ (m) *или* переставная цапфа (f) рѣзцовой призмы
corsoio (m) regolabile dello slittone *o* del braccio mobile
espiga (f) graduable del cabezal

1

Stößelverstellung (f)
ram adjustment
réglage (m) [de la course] du coulisseau

a

перестановка (f) рѣзцовой призмы
regolazione (f) della corsa dello slittone *o* del braccio mobile
graduación (f) del cabezal porta-útil

2

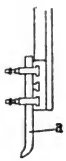
Stößelaussparung (f)
slot in ram
évidement (m) [pour le passage] du coulisseau

b

выемка (f) въ рѣзцовой призмѣ
finestra (f) dello slittone *o* del braccio mobile
admisión (f) del porta-útil

3

Stoßstichel (m), Stahl (m), Meißel (m)
slotting tool
outil (m) à mortaiser



a

рѣзецъ (m) долбёжнаго станка
utensile (m) per stozzare, utensile (m) per mortesare
herramienta (f), acero (m), buril (m)

4

Ansetzen (n) des Stahls
setting of the slotting tool
mise (f) au point de l'outil

установка (f) рѣзца
messa (f) a punto dell'utensile, piazzamento (m) dell'utensile
aproximación (f) del útil

5

Nutstahl (m)
key way cutter
outil (m) à raboter les rainures

a

рѣзецъ (m) для пробиранія шпоночныхъ канавокъ
ferro (m) *od* utensile (m) da far cave
acero (m) de sacar ranuras

6

Räummaschine (f), Räumnadelmaschine (f)
die slotting machine
machine (f) à dégorger *ou* à aléser

станокъ (m) для уширенія отверстій
macchina (f) da spinare
máquina (f) de ensanchar ó de horadar

7

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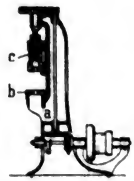


1
stehende Räummaschine (f)
vertical die slotting machine
machine (f) à dégorger verticale, machine (f) a défoncer

вертикальный станокъ (m) для ущиренія отверстій
macchina (f) verticale da spinare
máquina (f) de ensanchar ó de horadar vertical

2
Ständer (m) *oder* Gestell (n) der Räummaschine
frame of die slotting machine
montant (m) de la machine à dégorger *ou* à défoncer

a

станина (f) станка для ущиренія отверстій
incastellatura (f) della macchina da spinare
armazón (m) ó bastidor (m) de la máquina de alisar ó ensanchar ó horadar

---

3
Auflagetisch (m)
table
plateau (m) *ou* table (f) porte-pièce

b

столъ (m)
tavola (f)
mesa (f) de soporte para la labor

4
Räumnadelschlitten (m)
sliding tool carriage
chariot (m) porte-dégorgeoir, porte-découpoir (m), chariot (m) du porte-outil à défoncer

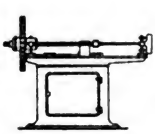
c

ползунъ (m), несущій оправку съ рѣзцами для расширенія отверстій
testa (f) portautensile da spinare
carro (m) porta-alisador ó porta-útil

5
Auskragung (f)
throat
porte-à-faux (m)

вырѣзъ (m)
profondità (f) della gola
vuela (f)

6
liegende Räummaschine (f)
horizontal die slotting machine
machine (f) à dégorger *ou* à découper horizontale, machine (f) à défoncer horizontale



горизонтальный станокъ (m) для ущиренія отверстій
macchina (f) orizzontale da spinare
máquina (f) de alisar ó ensanchar ó horadar horizontal

7
Tretschemel (m)
treadle
pédale (f)

педаль (f)
pedale (m) *od* imposta (f) del piede sul pedale
marcha (f) de pedal

8
Ausräumen (n), Auferäumen (n), Erweitern (n) der Löcher
scraping out of holes
défonçage (m), évidement (m), élargissement (m) de diamètre de trous, alésage (m)

уширеніе (n) отверстій *или* дыръ
spinatura (f) di fori
el alisar ó el escariar agujeros, el entanchar agujeros

9
ausräumen (v), auferäumen (v)
to scrape out
dégorger (v), défoncer (v), découper (v), élargir (v)

уширять отверстіе
spinare (v), passare (v) (una spina)
alisar (v), limpiar (v)

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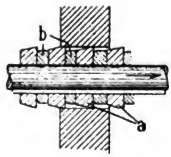
die Räumnadel durch das Loch hindurchdrücken (v) [hindurchziehen (v)]
to pass the scraping out cutter through the hole
faire passer (v) le dégorgeoir à travers le trou

провести оправку съ уширяющими рѣзцами сквозь отверстіе
passare (v) la spina attraverso il foro, spinare (v) il foro
pasar (v) el alisador por el agujero



Räumnadel (f)
scraping out cutter
dégorgeoir (m), épinglette (f), porte-outil (m) à défoncer

оправка (f) съ рѣзцами (m pl) для уширенія отверстій
spina (f) portautensili
alisador (m)

Schneidscheibe (f), schneidende Scheibe (f)
cutting disc
disque (m) coupant

a

круглый рѣзецъ (m)
disco (m) per tagliare *o* per spinare, coltello (m) a disco
disco-cortante (m)

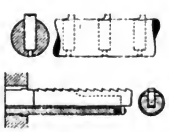
---

führende Scheibe (f)
guide disc
disque (m) de guidage

b

установочная шайба (f)
disco (m) di guida
disco-guia (m)

Räumnadel (f) für Keilnuten
scraping cutter for key ways
dégorgeoir (m) pour façonner les rainures de clavette, broche (f) à mortaiser les rainures de clavette



оправка (f) съ рѣзцами для пробиранія пазовъ
spina (f) *od* utensile (m) per cave da chiavetta
alisador (m) para ranuras de chavetas

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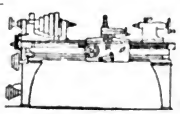
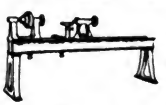
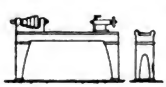
II.

Drehbänke		**Токарные станки**
Lathes		**Torni**
Tours		**Tornos**

	Typen		**Типы**
1	**Types**		**Tipi**
	Types		**Tipos**
2	Metalldrehbank (f) metal turning lathe tour (m) à métaux		токарный станокъ (m) для обработки металловъ tornio (m) per metalli torno (m) para metales
3	liegende Drehbank (f) horizontal lathe tour (m) horizontal, tour (m) parallèle		горизонтальный токарный станокъ (m) tornio (m) parallelo torno (m) horizontal
4	Spitzendrehbank (f) centre lathe tour (m) à pointes		токарный станокъ (m) съ центрами; самоточка (f) tornio (m) a punte torno (m) de puntas
5	Handdrehbank (f) hand lathe tour (m) à main		ручной токарный станокъ (m) tornio (m) a mano torno (m) á mano
6	Fuß[tritt]drehbank (f), Drehbank (f) mit Fußtrittantrieb foot *or* treadle lathe tour (m) au pied *ou* à pédale		ножной токарный станокъ (m) tornio (m) a pedale torno (m) á pedal
7	Prismadrehbank (f) bar *or* gantry lathe tour (m) à banc prismatique		токарный станокъ (m) на призмахъ tornio (m) con banco a prisma torno (m) con bancada prismática

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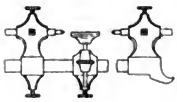
Drehstuhl (m)
turn bench, hand tool lathe
tour (m) d'horloger, tour (m) à archet

маленькій токарный станокъ (m) [для часовщиковъ]
tornio (m) di precisione, tornio (m) ad archetto *1*
torno (m) de relojero ó de mecánica fina

Spitzendrehstuhl (m)
dead centre hand tool lathe *or* turn bench
tour (m) d'horloger à pointes

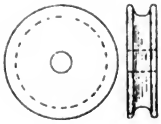


маленькій токарный станокъ (m) [для часовщиковъ] съ центрами
tornio (m) di precisione a punte *2*
torno (m) de puntas para relojero ó mecánica fina

Stift[en]drehstuhl (m)
watchmakers lathe
tour (m) d'horloger

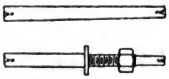
маленькій токарный станокъ (m) [для [часовщиковъ] съ штифтами
tornio (m) da orologiaio *3*
torno (m) de mecánica fina

Drehrolle (f)
grooved roller *or* pulley
roulette (f), petite poulie (f) à gorge



роликъ (m)
disco (m) a gola, carrucola (f) *4*
rodaja (f)

Drehstift (m), Dorn (m)
mandrel, arbor
mandrin (m)

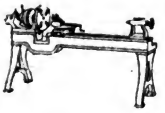


оправка (f)
mandrino (m) *5*
husillo (m)

Dockendrehstuhl (m)
turn bench with poppets
tour (m) d'horloger à poupées

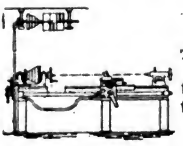
маленькій токарный станокъ (m) [для часовщиковъ] съ вспомогательной средней бабкой
tornio (m) d'orologiaio con mandrino *6*
torno (m) de mecánica fina

Handsupportdrehbank (f)
hand lathe with slide rest
tour (m) avec support à main, tour (m) parallèle à main



токарный станокъ (m) съ ручнымъ суппортомъ
tornio (m) parallelo a mano *7*
torno (m) con soporte á mano

Supportdrehbank (f)
slide lathe
tour (m) à chariot sur support



токарный станокъ (m) съ суппортомъ
tornio (m) semplice *8*
torno (m) con soporte y carro mecánico

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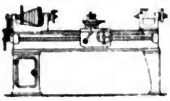
1 Leitspindeldrehbank (f), Leitspindelbank (f)
engine lathe, lathe with lead screw, screw cutting lathe
tour (m) à fileter



токарный станокъ (m) съ ходовымъ винтомъ; винторѣзный токарный станокъ (m); самоточка (f)
tornio (m) parallelo per filettare
torno (m) paralelo con husillo de guía

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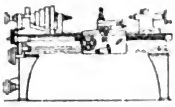
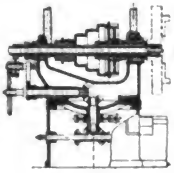
2 Leit- und Zugspindeldrehbank (f)
sliding and screw cutting lathe
tour (m) à charioter et à fileter



винторѣзный токарный станокъ (m) съ ходовымъ винтомъ и ходовымъ валикомъ; самоточка (f) съ ходовымъ винтомъ и ходовымъ валикомъ
tornio (m) parallelo per filettare e cilindrare
torno (m) mecánico paralelo para filetear y cilindrar

---

3 Drehbank (f) mit drehbarem Spindelstock
lathe with revolving head stock
tour (m) à poupée tournante *ou* commandée mécaniquement



токарный станокъ (m) съ вращающейся передней бабкой
tornio (m) con testa del mandrino girevole
torno (m) paralelo con cabezal principal giratorio

---

4 Walzendrehbank (f)
roll lathe
tour (m) à [re]tourner les cylindres (de laminoir)

токарный станокъ (m) для обточки валковъ
tornio (m) per cilindri da laminatoio
torno (m) para tornear cilindros (de laminadores)

---

5 Wellendrehbank (f)
shaft turning lathe
tour (m) à arbres

токарный станокъ (m) для обточки валовъ
tornio (m) per alberi
torno (m) para ejes

---

6 Kurbelwellendrehbank (f)
crankshaft lathe
tour (m) à tourner les vilebrequins *ou* les arbres coudés, tour (m) à arbres coudés

токарный станокъ (m) для обточки колѣнчатыхъ валовъ
tornio (m) per alberi a gomito
torno (m) especial para tornear cigüeñales *ó* ejes acodados

---

7 Achsschenkeldrehbank (f)
axle turning lathe
tour (m) pour les fusées d'essieux

токарный станокъ (m) для обточки осевыхъ шеекъ
tornio (m) per intestare assi
torno (m) especial para tornear los extremos de ejes

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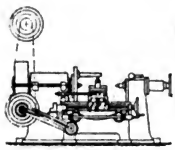
Bolzendrehbank (f), Stift- und Bolzendrehbank (f)
stud lathe
tour (m) à boulons

токарный станокъ (m) для штифтовъ и болтовъ
tornio (m) per bulloni
torno (m) para pernos

1

Riemenscheibendrehbank (f), Riemenrollendrehbank (f)
pulley lathe
tour (m) à poulies



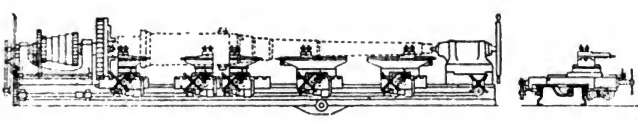
токарный станокъ (m) для обточки ременныхъ шкивовъ
tornio (m) per puleggie
torno (m) especial para tornear poleas de transmisión

2

Räder[-Spitzen]drehbank (f), Radsatzdrehbank (f)
wheel lathe
tour (m) à [tourner les trains de] roues, tour (m) à essieux *ou* trains montés

колёсный токарный станокъ (m) съ центрами; токарный станокъ для обточки колёсныхъ скатовъ
tornio (m) per ruote montate
torno (m) para tornear juegos de ruedas montadas

3

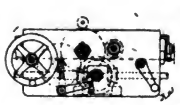


4

Geschütz[rohr]drehbank (f), Kanonenrohrdrehbank (f)
gun turning lathe
tour (m) à canons

пушечный токарный станокъ (m)
tornio (m) per cannoni
torno (m) para cañones

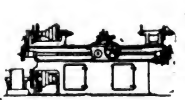
Räderplattendrehbank (f), Mutterplattendrehbank (f)
apron lathe
tour (m) à tablier



токарный станокъ (m) съ передней суппортной доской
tornio (m) con carrello con piastrone
torno (m) con placa-cubierta

5

Universaldrehbank (f), Universalwerkzeugmaschine (f)
universal lathe
tour (m) universel, machine-outil (f) universelle



универсальный токарный станокъ (m)
tornio (m) universale
torno (m) universal, máquina-herramienta (f) universal

6

Doppeldrehbank (f)
double lathe
tour (m) double

двойной токарный станокъ (m)
tornio (m) doppio
torno (m) mecánico doble

7

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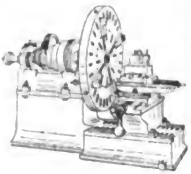
1 Schnelldrehbank (f)
high speed lathe
tour (m) à grande vitesse

быстроходный токарный станокъ (m)
tornio (m) rapido
torno (m) mecánico especial para acero rápido

2 Kopfdrehbank (f), Planscheibendrehbank (f), Scheibendrehbank (f)
face *or* chuck lathe
tour (m) en l'air, tour (m) à plateau

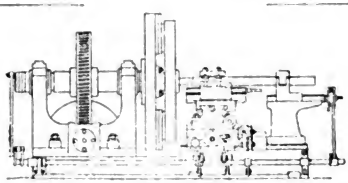


лобовой токарный станокъ (m); патронный токарный станокъ
tornio (m) frontale, tornio (m) di testa
torno (m) al aire

3 doppelte Radreifendrehbank (f), Radscheibendrehbank (f)
double wheel tyre lathe
tour (m) double à [tourner les] bandages

двойной токарный станокъ (m) для обточки бандажей
tornio (m) doppio per cerchioni
torno (m) especial doble para bandajes de ruedas

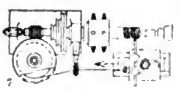
4



Radsterndrehbank (f)
lathe for turning wheel centres
tour (m) pour les centres de roues

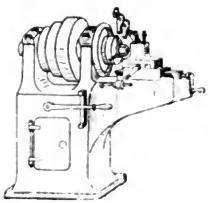
токарный станокъ (m) для обточки и расточки ступицъ
tornio (m) per mozzi di ruote
torno (m) especial para cuerpos de ruedas

5 Gewindedrehbank (f), (Gewindeschneidmaschine (f))
thread cutting lathe
tour (m) à fileter



токарно-винторѣзный станокъ (m)
tornio (m) per filettare
torno (m) de fileteár

6 Mutter[n]drehbank (f)
nut lathe
tour (m) à écrous



станокъ (m) для обточки
tornio (m) per dadi
máquina (f) de tornear tuercas

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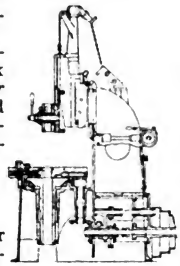
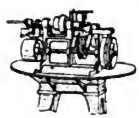
Drehbank (f) mit liegender Planscheibe, Karusselldrehbank (f), wag[e]rechte *oder* horizontale Plandrehbank (f), [senkrechte *oder* vertikale] Dreh- und Bohrbank (f), Drehmaschine (f), (Rundhobelmaschine (f))
vertical boring and turning machine *or* mill
tour (m) vertical, tour (m) à plateau horizontal, tour-alésoir (m)



вертикальный патронный станокъ (m); карусельный [токарный] станокъ
tornio (m) e trapano (m) verticale
torno (m) de plato horizontal

1

Formdrehbank (f), Fassondrehbank (f)
forming lathe, screw machine
tour (m) à profiler, tour (m) automatique



токарный станокъ (m) для фасонной обточки *или* для работы по шаблону; копировальный токарный станокъ для фасонныхъ предметовъ
tornio (m) da profilare
torno (m) automático para piezas perfiladas

2

Unrunddrehbank (f)
eccentric lathe
tour (m) à tourner les ronds excentriques

токарный станокъ (m) для обточки *или* для точенія некруглыхъ предметовъ
tornio (m) eccentrico
torno (m) para piezas perfiladas no circulares

3

Drehbank (f) mit Ovalwerk
lathe with oval chuck
tour (m) avec dispositif à tourner oval, tour (m) avec chuck oval

токарный станокъ (m) съ приборомъ для овальныхъ предметовъ
tornio (m) con dispositivo per tornire ovale
torno (m) con disposición de tornear óvalos

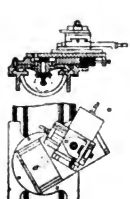
4

Patronendrehbank (f)
gauge lathe
tour (m) à gabarit

патронный токарный станокъ (m)
tornio (m) con stella per filettare
torno (m) con plantilla

5

Hinterdrehbank (f)
backing off *or* relieving lathe
tour (m) à dépouiller *ou* à détalonner



токарный станокъ (m) для задней заточки; токарный станокъ для снятія затылковъ
tornio (m) per profili ribassati *o* per tornire eccentricamente
torno (m) especial para tornear las fresas de perfil constante

6

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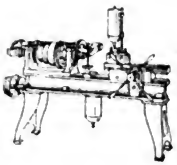
1 Kopierdrehbank (f), Schablonendrehbank (f)
repetition *or* copying lathe
tour (m) à reproduire *ou* à copier, tour (m) à gabarit

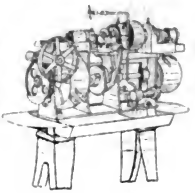
копировальный токарный станокъ (m)
tornio (m) da copiare *od* a sciablona
torno (m) de copiar, torno (m) con disposición de tornear según plantillas

2 Revolverdrehbank (f), Stahlwechseldrehbank (f)
turret lathe
tour-revolver (m)



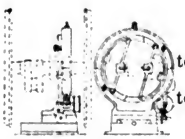
револьверный токарный станокъ (m)
tornio (m) a revolver
torno-revólver (m)

3 Automat (m), selbsttätige Drehbank (f)
automatic lathe
tour (m) automatique, tour (m) à façonner automatique, tour (m) à décolleter automatique



станокъ (m) -автоматъ (m)
tornio (m) automatico
torno (m) automático para perfilar y cortar de la barra

4 Kurbelzapfendrehbank (f)
crank pin lathe
tour (m) pour les boutons de manivelles *ou* les manivelles d'arbres coudés



токарный станокъ (m) для обточки шеекъ колѣнчатыхъ валовъ
tornio (m) per bottoni di manovella
torno (m) para tornear la espiga de las manivelas

5 Abstech[dreh]bank (f)
slicing lathe
tour (m) à tronçonner, tour (m) à décolleter

[токарный] станокъ (m) для разрѣзанія на части
tornio (m) per tagliare
torno (m) de tronzar

6 Rändelmaschine (f), Molettiermaschine (f)
edge knurling machine
machine (f) à moletter, moletteuse (f)

станокъ (m) для точенія накатки
macchina (f) per godronare *o* per molettare
máquina (f) de producir el trabajo de la moleta

7 Guillochiermaschine (f)
machine for rose work *or* guilloche work
machine (f) à guillocher

станокъ (m) для узорной накатки; гильоширный станокъ
macchina (f) da segrinare *o* rabescare
máquina (f) de grabar el damasquinado

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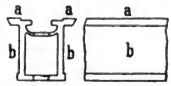
Gestell	Станины	
Body	**Incastellatura**	*1*
Bâti	**Bastidor**	

Drehbankbett (n), Bett (n) der Drehbank
lathe bed
banc (m) du tour



a

станина (f) токарнаго станка
banco (m) del tornio
bancada (f) del torno

2

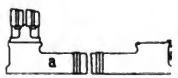
Drehbankgestell (n), Drehbankfuß (m)
body of lathe bed
pied (m) *ou* socle (m) de tour

b

стойка (f) *или* нога (f) токарнаго станка
piede (m) *o* zoccolo (m) del tornio
bastidor (m) de torno, pie (m) de torno

3

Grundrahmen (m)
foundation frame
bâti (m), base (f)

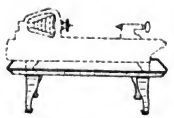


a

основная рама (f)
zoccolo (m) o piedistallo (m) di fondazione
bastidor (m) inferior

4

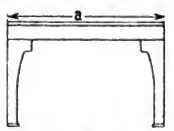
Auffangpfanne (f)
cutting tray
bac-collecteur (m)



корыто (n); поддонъ (m)
bacino (m) *o* recipiente (m) *o* vasca (f) per i trucioli recipiente (m)

5

Bettlänge (f)
length of bed
longueur (f) du banc

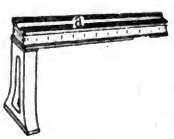


a

длина (f) станины
lunghezza (f) del banco
longitud (f) de la bancada

6

Bettoberfläche (f)
surface of bed
surface (f) du banc

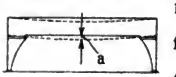


a

постель (f) *или* верхняя поверхность (f) станины
superficie (f) del banco
superficie (f) de la bancada

7

Durchhängen (n) *oder* Durchbiegung (f) des Drehbankbettes
sag *or* deflection of the lathe bed
flexion (f) du banc du tour



a

прогибъ (m) станины токарнаго станка
flessione (f) del banco del tornio
flexión (f) de la bancada, arco (m) de la bancada

8

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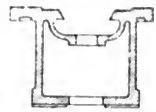
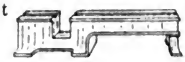
1 Drehbankbettquerschnitt (m), Querschnitt (m) des Drehbankbettes
cross section of the lathe bed
section (f) transversale du banc du tour



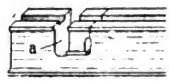
поперечное сѣченіе (n) станины токарнаго станка
sezione (f) del banco del tornio
corte (m) transversal del banco de torno ó de la bancada

2 gekröpftes Bett (n), Bett (n) mit Kröpfung
bed with gap
banc (m) rompu



станина (f) съ выемкой
banco (m) incavato o con incavo
bancada (f) cortada, bancada (f) con escote

3 Kröpfung (f)
crank
coude (m), échancrure (f)



a

выемка (f)
gomito (m)
codo (m), escote (m)

4 Drehbankbett (n) mit vier Bahnen, doppeltes Drehbankbett (n)
lathe bed with four slides
banc (m) du tour à quatre glissières

станина (f) токарнаго станка съ четырьмя направляющими; двойная станина токарнаго станка
banco (m) da tornio a quattro guide
bancada (f) de torno con cuatro superficies

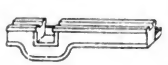
5 Bettwange (f), Bettbalken (m)
track
banc (m)

балка (f) станины
guide (f pl)
banda (f)

6 gerade Wange (f)
straight bed
banc (m) droit

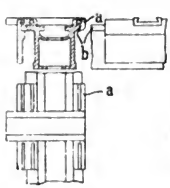
прямая балка (f) станины
guide (f pl) dritte
banda (f) derecha

7 gekröpfte Wange (f)
bed with gap
banc (m) entaillé



балка (f) станины съ выемкой
banco (m) con incavo
banda (f) con escote

8 Bettschlitten (m), Bettplatte (f)
bottom slide of saddle
selle (f) *ou* semelle (f) du chariot



a

нижняя часть (f) суппорта; основныя *или* нижнія салазки (f pl) суппорта
slitta (f) del banco
placa (f) del carro

9 Bettplattenverschiebung (f)
travel of saddle
déplacement (m) de la selle du chariot

перемѣщеніе (n) основныхъ *или* нижнихъ салазокъ суппорта
spostamento (m) della slitta
desplazamiento (m) de la placa del carro

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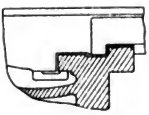
Schlittenführung (f), Prismenführung (f), Bettplattenführung (f)
carriage guide, saddle guide
guidage (m) du chariot



направляющія (f pl) основныхъ *или* нижнихъ салазокъ суппорта
guide (f pl) del carrello, guide (f pl) della slitta
conducción (f) del carro

1

Schlittenbahn (f), Gleitbahn (f)
slide
glissière (f) de chariot

направляющія (f pl)
piano (m) di scorrimento *o* di guida
plano (m) de deslizamiento del carro

2

Gleitfläche (f)
slip face *or* surface
surface (f) de glissement

поверхность (f) скольженія
superficie (f) dei piani di scorrimento
superficie (f) de deslizamiento

3

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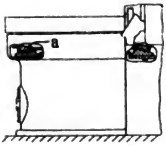
auswechselbare Gleitbahn (f)
interchangeable slip *or* slide
glissière (f) interchangeable (de table)



a

смѣнныя направляющія (f pl)
piano (m) di scorrimento intercambiabile
plano (m) de deslizamiento intercambiable

4

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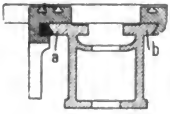
vordere Schrägleiste (f)
front beveled gib
rebord (m) extérieur avant en biseau



a

передняя направляющая (f) со скошеннымъ выступомъ
listone (m) inclinato anteriore
listón (m) biselado delantero

5

---

hintere Schrägleiste (f)
back beveled gib
bord (m) biseauté extérieur, arrière (m) de la glissière

b

задняя направляющая (f) со скошеннымъ выступомъ
listone (m) inclinato posteriore
listón (m) biselado trazero

6

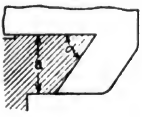
Schrägfläche (f)
bevel face
face (f) du biseau

a

скошенная *или* наклонная поверхность (f)
superficie (f) del listone inclinato
frente (f) oblicua [*o* inclinada]

7

Leistenhöhe (f)
depth of slide
épaisseur (f) de la glissière



a

толщина (f) направляющаго выступа
spessore (m) del ribordo, altezza (f) del listone inclinato
altura (f) del listón

8

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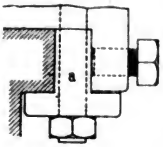
Kantenwinkel (m) der Leiste
1 angle of slide bevel
angle (m) du biseau de la glissiere

α

уголъ (m) срѣза направляющаго выступа
angolo (m) del ribordo *o* del listone inclinato
ángulo (m) de inclinación del listón

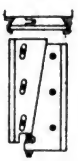
nachstellbare [Führungs-]Leiste (f), Beilage (f)
2 adjustable guide gib *or* strip
lardon (m) *ou* listel (m) de guidage réglable



a

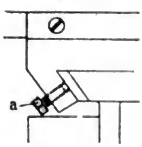
регулируемая направляющая (f)
listone (m) di guida registrabile
listón (m) de guía ajustable

keilförmige Leiste (f)
3 slide with wedge adjustment
listel (m) *ou* lardon (m) conique



направляющая (f) клинообразной формы [сѣченія]
listone (m) a cuneo, riporto (m) a sezione cuneiforme
listón (m) con corte transversal en forma de cuña

Leistenschraube (f)
gib screw
4 vis (f) de réglage du listel *ou* du lardon



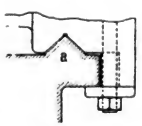
a

установочный винтъ (m) для направляющей
vite (f) di registro del lardone
tornillo (m) del listón

Anspannung (f) der Leiste
5 adjusting of the slide
serrage (m) du listel *ou* lardon de guidage

закрѣпленіе (n) направляющей
aggiustaggio (m) del lardone
ajuste (m) del listón

Schweinsrückenführung (f)
6 inverted vee slide *or* slip guidage (m) à glissières en **V** renversé



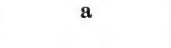
обращённыя вверхъ треугольныя направляющія; Λ-образныя направляющія; направляющія (f pl) призматическаго сѣченія [американскаго типа]
guide (f pl) a Λ *od* in forma di Λ
guía (f) en Λ

Schweinsrücken (m)
7 inverted vee
V renverse (m) de guidage

a

призма (f), обращённая вверхъ
prisma (m) in forma *od* a sezione di Λ
prisma (m) de guía

offene Schweinsrückenführung (f)
8 plain **V** slide *or* slip guidage (m) en **V** ouvert



направляющія (f pl) V-образнаго сѣченія
guide (f pl) a prismi in forma di Λ
guía (f) prismática abierta ó invertida

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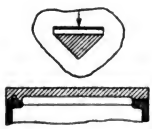
dreikantige Führung (f)
triangular guide
guidage (m) triangulaire



трёхгранныя направляющія (f pl)
guide (f pl) triangolari *od* a tre piani
guía (f) triangular

1

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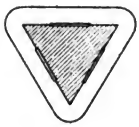
dreieckiger *oder* dreikantiger Führungsstab (m)
triangular section guide bar
barre (f) de guidage [à section] triangulaire



направляющій стержень (m) трёхграннаго *или* треугольнаго сѣченія
barra (f) di guida triangolare
barra (f) triangular de guía

2

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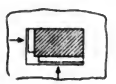
vierkantige Führung (f)
rectangular section guide bar
barre-guide (f) rectangulaire



четырёхгранныя направляющія (f pl)
guide (f pl) rettangolari
guía (f) rectangular

3

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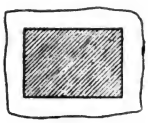
rechteckiger Führungsstab (m)
rectangular guide bar
barre (f) de guidage [à section] rectangulaire



прямоугольный направляющій стержень (m) съ прямыми углами
barra (f) di guida rettangolare
guía (f) rectangular

4

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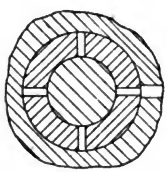
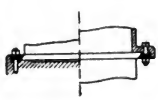
runder Führungsstab (m)
round guide bar
barre (f) de guidage [à section] ronde



круглый направляющій стержень (m)
barra (f) di guida rotonda
barra (f) de guía redonda

5

Führung (f) im Kreise
circular guide
guidage (m) circulaire *ou* en cercle



круговыя направляющія (f pl)
guide (f pl) circolari
guía (f) circular

6

Querbett (n)
cross gantry
banc (m) transversal

a

поперечныя салазки (f pl)
banco (m) trasversale
bancada (f) transversal

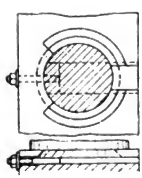
7

Supportquerbett (n)
cross gantry saddle
banc (m) transversal avec chariot

поперечныя салазки (f pl) суппорта
banco (m) trasversale del sopporto
bancada (f) transversal de soporte

8

Drehschemel (m)
rotatable base
embase (f) tournante



поворотный кругъ (m) суппорта
base (f) girevole
asiento (m) giratorio

9

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	Dreharbeit		**Токарная работа**
1	**Turning**		**Lavoro di tornitura**
	Travail de tournage		**Trabajo de torneo**
	Arbeitsbewegung (f), Schnittbewegung (f)		рабочее движение (n)
	working motion, cutting motion		movimento (m) di lavoro
2	mouvement (m) *ou* course (f) de travail		movimiento (m) de trabajo
	Umlaufgeschwindigkeit (f) des Werkstücks		окружная *или* периферическая скорость (f) обрабатываемого предмета
	speed of rotation		velocità (f) di rotazione del pezzo da lavorare
3	vitesse (f) de rotation de la pièce à travailler		velocidad (f) de rotación de la pieza de labor
	sekundliche Arbeitsgeschwindigkeit (f)		рабочая скорость (f) въ секунду
	speed time of the work		velocità (f) di lavoro al secondo
4	vitesse (f) de travail par seconde		velocidad (f) de trabajo por segundo
	Schnittgeschwindigkeit (f)		скорость рѣзанія (f)
	cutting speed		velocità (f) di taglio
5	vitesse (f) de coupe		velocidad (f) de corte
	Geschwindigkeitsänderung (f)		измѣненіе (n) скорости
	change *or* variation of speed		cambio (m) *o* variazione (f) di velocità
6	variation (f) de vitesse		variación (f) de la velocidad
	Widerstand (m) in der Arbeitsrichtung, Schnittwiderstand (m)		сопротивленіе (n) въ направленіи работы
	resistance in the direction of working		resistenza (f) nella direzione del lavoro *o* nel senso del lavoro
7	résistance (f) dans la direction de travail		resistencia (f) en la dirección de trabajo
	Stichelwiderstand (m)		сопротивленіе (n) рѣзца
	tool resistance		resistenza (f) dell'utensile
8	résistance (f) de l'outil		resistencia (f) de la herramienta
	Eindringen (n) des Drehstahls		углубленіе (n) рѣзца
	penetration of the tool		penetrazione (f) dell'utensile
9	pénétration (f) de l'outil		penetración (f) de la herramienta

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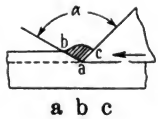
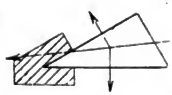
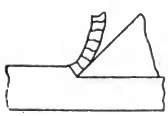
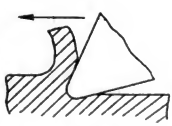
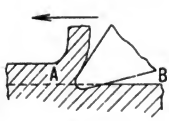
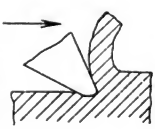
Schnitthöhe (f) depth of cut profondeur (f) de la passe, profondeur (f) de coupe *ou* de pénétration *ou* d'entaillage		высота (f) срѣза profondità (f) del taglio altura (f) *ó* profundidad (f) de corte	1
Span (m), Drehspan (m) chip copeau (m)		стружка (f) truciolo (m) viruta (f)	2
Wirkungszone (f), Zerspanungszone (f) zone of action of the tool zone (f) d'action	 a b c	сфера (f) дѣйствія zona (f) d'azione dell'utensile zona (f) de acción	3
Wirkungswinkel (m), Zerspanungswinkel (m) angle of action angle (m) d'action	*α*	уголъ (m) дѣйствія angolo (m) d'azione dell'utensile ángulo (f) de acción	4
keilförmige Gestalt (f) des Werkzeugs wedge shape of tool outil (m) en coin		клинообразная форма (f) инструмента forma (f) a cuneo dell'utensile forma (f) cónica de la herramienta	5
Spanbildung (f) formation of a cutting formation (f) d'un copeau		образованіе (n) стружки formazione (f) di truciolo formación (f) de la viruta	6
Spanablösung (f), Spanabhebung (f) detachment of a cutting détachement (m) d'un copeau		отдѣленіе (n) стружки distacco (m) del truciolo desprendimiento (m) de la viruta	7
Trennungsfläche (f) separation surface surface (f) de séparation	 A B	плоскость (f) отдѣленія стружки superficie (f) di distacco *o* di separazione superficie (f) de separación	8
einen Span abheben (v) to take off a cutting enlever (v) un copeau		удалить стружки staccare (v) un truciolo levantar (v) una viruta	9

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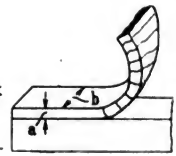


1
Spanschicht (f)
layer of cutting
stries (fpl) de copeaux

слой (m) стружекъ
strato (m) del truciolo
capa (f) de virutas

2
Spanstärke (f)
thickness of cutting
épaisseur (f) du copeau

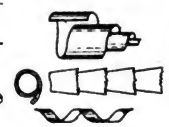
a

толщина (f) стружки
spessore (m) del truciolo
espesor (m) ó grueso (m) de la viruta

3
Spanbreite (f)
width of cutting
largeur (f) du copeau, largeur (f) de coupe

b

ширина (f) стружки
larghezza (f) del truciolo *o* del taglio
anchura (f) de la viruta



4
schraubenartig gewundener Span (m)
spiral cutting
copeau (m) en spirale

вьющаяся (винтообразно) стружка (f)
truciolo (m) avvolto *o* arrotolato
viruta (f) espiral

5
der Span rollt sich auf
the cutting rolls up
le copeau s'enroule sur lui-même

стружка (f) свёртывается [плоской спиралью]
il truciolo si avvolge *o* si arrotola
la viruta se enrolla

6
Arbeitsgang (m), Schnittgang (m)
running with cut, course of work
marche (f) en travail

рабочій ходъ (m)
marcia (f) di lavoro
marcha (f) del trabajo

7
Leergang (m)
running idle
marche (f) à vide

холостой ходъ (m)
marcia (f) a vuoto
marcha (f) en vacio

8
Arbeitsverbrauch (m) im Leergang
consumption of power when running idle
énergie (f) dépensée à vide, travail (m) absorbé à vide

работа (f) при холостомъ ходѣ
consumo (m) di forza nella marcia a vuoto
gasto (m) de energía al marchar en vacío

9
Umdrehungsachse (f), Drehachse (f)
axis of rotation
axe (m) de rotation

ось (f) вращенія
asse (m) di rotazione
eje (m) de rotación

10
das Arbeitstück ausrichten (v) *oder* einmitteln (v) *oder* zentrieren (v)
to centre (center) the work
centrer (v) la pièce à travailler

вывѣрять *или* центрировать *или* направлять обрабатываемый предметъ
centrare (v) il pezzo da lavorare
centrar (v) la pieza de trabajo, ajustar (v) la pieza de trabajo

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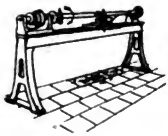
Ausrichten (n), Einmitteln (n), Zentrieren (n)
centering, adjusting, centering
centrage (m)

выверка (f); центрировка (f)
centramento (m), aggiustamento (m)
el centrar, ajuste (m)
1



drehen (v)
to turn
tourner (v)

точить
tornire (v)
tornear (v)
2

Dreher (m), Drehbankarbeiter (m)
turner
tourneur (m)

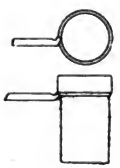
токарь (m)
tornitore (m)
tornero (m)
3

Drehfläche (f)
turning surface
surface (f) de tournage

поверхность (f) обтачиванія *или* точенія
superficie (f) da tornire
superficie (f) de tornear
4

Metalldrehen (n)
metal turning
tournage (m) des métaux

обтачиваніе (n) металловъ
tornitura (f) del metallo
torneo (m) de metales
5

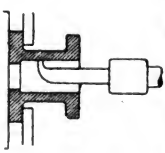


abdrehen (v), runddrehen (v)
to turn off
tourner (v), charioter (v), cylindrer (v)

обточить; обтачивать
tornire (v), cilindrare (v)
cilindrar (v)
6

Abdrehen (n), Runddrehen (n)
turning off
tournage (m), chariotage (m)

обтачиваніе (n)
tornitura (f), cilindratura (f)
el cilindrar
7



ausdrehen (v), auf der Drehbank ausbohren (v)
to turn *or* to bore out on the lathe
aléser (v) sur le tour

разсверливать *или* растачивать на токарномъ станкѣ
forare (v) al tornio, alesare (v)
barrenar (v) en el torno
8

Ausdrehen (n)
turning out
alésage (m)

разсверливаніе (n); расточка (f)
alesatura (f)
el tornear interiormente
9

langdrehen (v)
to turn longitudinally
charioter (v) longitudinalement

обтачивать по длинѣ
tornire (v) *o* cilindrare (v) in lungo
cilindrar (v)
10

Langdrehen (n)
turning along
chariotage (m) longitudinal

продольное обтачиваніе (n) *или* точеніе (n)
tornitura (f) *o* cilindratura (f) in lungo
el cilindrar
11

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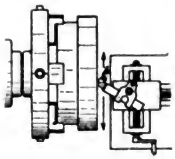


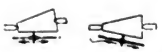
1 freidrehen (v), plandrehen (v)
to face
dresser (v) un plateau

обтачивать на планшайбѣ или на патронѣ
sfacciare (v) *o* tornire (v) in piano
tornear (v) al aire, refrentar (v)

2 Plandrehen (n), Freidrehen (n)
facing
dressage (m) d'un plateau

обтачиваніе (n) на планшайбѣ или на патронѣ; поперечное точеніе (n)
sfacciatura (f) *o* tornitura (f) in piano
el refrentar, el tornear al aire

3 kegelig *oder* konisch drehen (v)
to turn taper
tourner (v) conique



точить на конусъ
tornire (v) conico
tornear (v) cónico

4 Kegeligdrehen (n), Konischdrehen (n)
taper turning
tournage (m) conique

коническая обточка (f); обработка (f) конусовъ на токарномъ станкѣ
tornitura (f) conica
el tornear cónico

5 Formdrehen (n), Fassondrehen (n)
profile turning
façonnage (m), profilage (m) [au tour]

обтачиваніе (n) по фасону; обточка (f) по шаблону фасонныхъ предметовъ сложнаго профиля
sagomatura (f), tornitura (f) a sagoma
el tornear piezas perfiladas

6 Unrunddrehen (n), Passigdrehen (n)
eccentric turning
tournage (m) de ronds excentriques

обточка (f) по некруглой поверхности
tornitura (f) eccentrica
el tornear piezas no redondas, el tornear bombeado

7 Kugeldrehen (n), Balligdrehen (n)
spherical turning
tournage (m) de sphères

обточка (f) по шаровой поверхности
tornitura (f) di sfere
el tornear esferas

8 hinterdrehen (v)
to back off, to relieve
dépouiller (v), détalonner (v), dégager (v)

заточить заднюю поверхность; снять затылокъ
tornire (v) in profilo *od* a scalo *od* a spoglia
retornear (v), rebajar (v) á torno los dientes de las fresas de perfil constante

9 Hinterdrehen (n)
backing off, relieving
dépouillement (m), détalonnage (m)

задняя заточка (f)
tornitura (f) in profilo *od* a scalo *od* a spoglia
el retornear los dientes de fresas de perfil constante

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nach der Seite hinterdrehen (v)
to back off the side faces
tourner (v) latéralement
un profil invariable, dépouiller (v) latéralement

заточить заднюю поверхность бока
tornire (v) in profilo laterale *o* lateralmente *1*
retornear (v) lateralmente

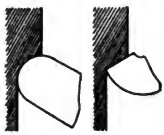
---

vordrehen (v)
to take a preparatory cut
dégrossir (v) au tour

обточить кругомъ
sgrossare (v) *o* dare (v) la prima passata al tornio *2*
empezar (v) á tornear

---

schruppen (v)
to rough turn
dégrossir (v), décrouter (v)



обтачивать начерно
sgrossare (v), sbozzare (v) *3*
desbastar (v)

Schruppen (n)
rough turning
dégrossissage (m), ébauchage (m)

черновая обточка (f); обдирка (f)
sgrossatura (f), sbozzatura (f) *4*
el desbastar

Schnellgrobdreherei (f)
rapid rough turning
dégrossissage (m) *ou* ébauchage (m) rapide

быстрая обточка (f) вчернѣ; быстрая черновая обточка
sgrossatura (f) rapida *5*
el desbastar á torno rápido

---

nachdrehen (v)
to take a finishing cut
repasser (v), finir (v), rafraichir (v)

обточить начисто
finire (v) *o* dare (v) la seconda passata al tornio *6*
repasar (v) al torno

---

sauber drehen (v)
to turn smoothly
finir (v)

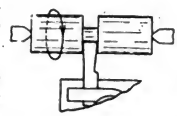
обточить начисто
tornire (v) liscio *o* fino *7*
terminar (v) de tornear

Schlichtdrehen (n)
smooth turning
finissage (m) au tour

чистовая обточка (f)
rifinitura (f), lucidatura (f) *8*
el alisar al torno

---

ein Stück abstechen (v) *oder* einstechen (v)
to cut off a piece
saigner (v) *ou* tronçonner (v) une pièce au tour



разрѣзать кусокъ
tagliare (v) un pezzo al tornio *9*
tronzar (v) ó cortar (v) un pedazo

---

von der Stange arbeiten (v)
to work from the bar
travailler (v) à la barre

работать отъ рейки
lavorare (v) *o* tornire (v) dalla barra *10*
trabajar (v) de la barra

---

zwischen festen *oder* toten Spitzen drehen (v)
to turn between dead centres
tourner (v) entre pointes fixes

обтачивать между неподвижными *или* мёртвыми центрами
tornire (v) fra punte *o* contropunte fisse *11*
tornear (v) entre puntas fijas

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genau gedrehte Fläche (f)
1 truly turned surface
surface (f) exactement tournée

точно обточенная поверхность (f)
superficie (f) tornita esattamente, tornitura (f) esattà
superficie (f) refrentada exactamente

---

mit dem Zirkel nachmessen (v), mit dem Taster messen (v), abtastern (v)
2 to check with the calipers
vérifier (v) les dimensions au calibre *ou* au compas d'épaisseur

обмѣрить кронциркулемъ
verificare (v) *o* controllare (v) col calibro
verificar (v) con el compás

Fühlhebel (m)
3 lever gauge
vérificateur (m) à levier

чувствительный рычагъ (m) [для провѣрки центровъ]
calibro (m) di precisione a leva
palanca (f) de contacto

---

das fertige Stück glätten (v) *oder* polieren (v)
4 to polish the finished work
polir (v) la pièce finie

полировать готовый кусокъ
lisciare (v) il pezzo finito *o* lavorato
alisar (v) la pieza terminada

---

durch Abschmirgeln glätten (v)
5 to polish with emery
polir (v) à l'émeri

полировать наждакомъ
lisciare (v) allo smeriglio
alisar (v) con esmeril

Gewinde eindrehen (v), auf der Drehbank Gewinde schneiden (v)
6 to turn a thread
fileter (v)

нарѣзáть (нарѣзáать) (рѣзьбу) на токарномъ станкѣ
filettare (v) al tornio
roscar (v)

Gewindeschneiden (n) auf der Drehbank
7 cutting thread on the lathe
filetage (m) sur le tour

нарѣзаніе (n) винтовой рѣзьбы на токарномъ станкѣ
filettatura (f) al tornio
el roscar en torno

---

eine hyperbol[oid]ische Fläche erzeugen (v)
8 to produce a hyperbolic surface
engendrer (v) une surface hyperbolique

придать гиперболическую форму
ottenere (v) *o* produrre (v) una superficie iperbolica
producir (v) una superficie hiperbólica

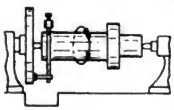
---

rändeln (v)
9 to knurl
moleter (v)

накатывать
orlare (v), godronare (v), molettare (v)
moletear (v)

---

stetige Drehung (f) des Werkstücks
10 continuous rotation of the work piece
rotation (f) continue de la pièce à travailler



непрерывное вращеніе (n) обрабатываемаго предмета
rotazione (f) continua del pezzo da lavorare
rotación (f) continua de la pieza de trabajo

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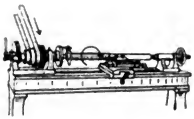

das Werkstück kreist *oder* dreht sich *oder* rotiert
the work revolves
la pièce à travailler tourne

обрабатываемый предметъ (m) вращается
il pezzo da lavorare gira *1*
la pieza de labor gira

---

der Stichel kreist *oder* dreht sich *oder* rotiert
the tool revolves
l'outil tourne *ou* est animé d'un mouvement circulaire

рѣзецъ (m) вращается
l'utensile gira *2*
la herramienta gira

---

rundlaufen (v)
to rotate
tourner (v) rond

круговое движеніе (n)
girare (v) a tondo *3*
girar (v) en redondo

---

das Werkstück läuft [genau] rund
the work runs exactly true
la pièce à travailler tourne rond

обрабатываемый предметъ (m) совершаетъ точно круговое движеніе
il pezzo da lavorare gira a tondo *4*
la pieza á trabajar gira concentricamente

---

das Werkstück schlägt
the work runs untrue *or* out of truth
la pièce à travailler voile

обрабатываемый предметъ (m) бьётъ
il pezzo da lavorare non gira a tondo *5*
la pieza golpea

---

das Werkstück wackelt *oder* schlottert
the work shakes
la pièce à travailler tremble

обрабатываемый предметъ (m) качается
il pezzo da lavorare sobbalza *6*
la pieza tiembla

Schlottern (n) des Werkstücks
shaking of the work piece
vibration (f) *ou* trépidation (f) de la pièce à usiner

качаніе (n) обрабатываемаго предмета
sobbalzamento (m) *o* tremolio (m) del pezzo (da lavorare) *7*
trepidación (f) de la pieza

---

zittern (v), rattern (v), vibrieren (v)
to chatter
brouter (v)

дрожать; вибрировать
vibrare (v) *8*
vibrar (v), temblar (v)

Zittern (n) des Drehstahls
chattering of the tool
broutage (m) de l'outil

дрожаніе (n) рѣзца
vibrazione (f) dell'utensile *9*
vibración (f) de la herramienta

Schnarren (n)
rattling
broutage (m), tremblement (m) [produisant un grincement *ou* ronflement]

дрожаніе (n); шумъ (m) отъ дрожанія
stridimento (m), stridore (m) *10*
sonido (m) de carraca

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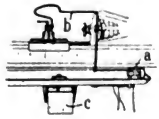
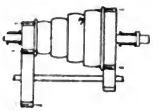
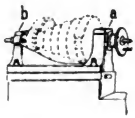
1	schmieren (v) to oil, to lubricate, to grease lubrifier (v), graisser (v)		смазать; смазывать lubrificare (v) lubrificar (v)
2	Schmieren (n) oiling, lubricating, greasing lubrification (f), graissage (m)		смазка (f) lubrificatura (f) lubricación (f), engrasado (m)
3	Ölpumpe (f) oil pump pompe (f) à huile	a	масляный насосъ (m) pompa (f) dell'olio bomba (f) de aceite
4	Rohrleitung (f) piping canalisation (f), tuyauterie (f), conduite (f)	b	трубопроводъ (m) tubazione (f) tubería (f)
5	Ölbehälter (m) oil tank réservoir (m) d'huile	c	резервуаръ (m) для масла serbatoio (m) *o* vaschetta (f) dell'olio depósito (m) de aceite
6	**Antrieb** **Drive** **Commande**		**Передача** **Comando** **Mecanismo de accionamiento**
7	Spindelstock (m), Spindelkasten (m) head stock, mandrel stock poupée (f), poupée (f) fixe *ou* motrice		передняя (шпиндельная) бабка (f) testa (f) del mandrino cabezal (m) de husillo, caja (f) de husillo
8	Docke (f), Spindeldocke (f), Lagerbock (m) fast head stock poupée (f) de tour		подшипникъ (m) передней бабки sopporto (m) del mandrino soporte (m) del husillo, cabezal (m)
9	Vorderdocke (f) front bearing palier (m) [d']avant de la poupée	a	передній подшипникъ (m) [передней бабки] sopporto (m) anteriore cabezal (m) delantero
10	Hinterdocke (f) back bearing palier (m) [d']arrière de la poupée	b	задній подшипникъ (m) [передней бабки] sopporto (m) posteriore cabezal (m) trasero

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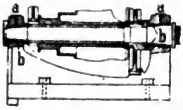
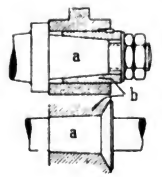
Spindel (f), Drehbankspindel (f), Laufspindel (f), Arbeit[s]spindel (f) spindle broche (f) *ou* arbre (m) principal			шпиндель (m) токарнаго станка mandrino (m) del tornio árbol (m), husillo (m), husillo (m) de torno, husillo (m) de trabajo	*1*
Spindelgeschwindigkeit (f) speed of spindle vitesse (f) de la broche			скорость (f) шпинделя velocità (f) del mandrino velocidad (f) del árbol	*2*
Spindelachse (f) axis of spindle axe (m) de la broche		a	ось (f) шпинделя asse (m) del mandrino eje (m) del árbol	*3*
Spindellagerung (f) bearing of spindle montage (m) de la broche dans son support			подшипники (m pl) для шеекъ шпинделя sostegno (m) *od* appoggio (m) del mandrino soporte (m) del husillo	*4*
Spindellager (n) spindle bearing coussinet (m) *ou* portée (f) de la broche de tour		a	подшипникъ (m) шпинделя cuscinetto (m) del mandrino cojinete (m) del husillo	*5*
Lagerbüchse (f) bush coussinet (m)		b	втулка (f) подшипника bussola (f), cuscinetto (m) a bussola casquillo (m) del cojinete	*6*
Kapselmutter (f) cap nut écrou (m) à chapeau			сгонная гайка (f); колпачковая гайка dado (m) a cappello *od* a bussola tuerca (f) de tapa	*7*
kegelförmige Führung (f) tapered *or* conical bearing coussinet (m) conique à l'intérieur, guidage (m) conique			подшипникъ (m) съ конической внутренней поверхностью guida (f) conica, cuscinetto (m) conico guía (f) de forma cónica	*8*
kegel[förm]iger *oder* konischer Laufzapfen (m) conical *or* tapered journal portée (f) conique, tourillon (m) conique		a	коническая шейка (f) *или* цапфа (f) collare (m) conico espiga (f) de forma cónica, espiga (f) cónica	*9*
kegel[förm]ige *oder* konische Lagerschale (f) conical bushing [coquille (f) de] coussinet (m) conique		b	конический вкладышъ (m) подшипника cuscinetto (m) conico, bussola (f) conica casquillo (m) de cojinete cónico	*10*

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1
walzenförmige Führung (f)
cylindrical bearing
coussinet (m) cylindrique à l'intérieur

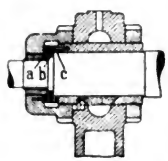
подшипникъ (m) съ цилиндрической внутренней поверхностью
guida (f) cilindrica interna, appoggio (m) cilindrico interno
guía (f) cilindrica

2
walzenförmiger *oder* zylindrischer Laufzapfen (m)
cylindrical journal
collet (m) cylindrique

a

цилиндрическая шейка (f) *или* цапфа (f)
collare (m) cilindrico
espiga (f) cilindrica de rotación

3
Drucklager (n), Schublager (n)
thrust bearing
palier (m) à rondelles de butée



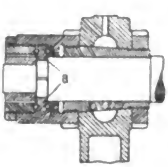
упорный подшипникъ (m); подшипникъ съ упорнымъ приспособленіемъ
cuscinetto (m) di pressione assiale *o* di spinta
cojinete (m) de presión

4
Druckring (m)
thrust ring
rondelle (f) de butée

a, b, c

упорное кольцо (n)
anello (m) di pressione assiale, ralla (f)
arandela (f) de presión

5
Kugel[druck]lager (n)
ball thrust bearing
butée (f) à billes



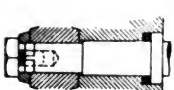
упорный шариковый подшипникъ (m); подшипникъ съ упорнымъ шариковымъ приспособленіемъ
cuscinetto (m) *o* ralla (f) di pressione *o* di spinta a sfere
cojinete (m) [de presión] de anillo de bolas

6
Kugelring (m)
ball race
bague (f) *ou* rondelle (f) à billes

a

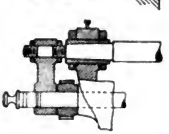
шариковое кольцо (n); кольцо, вращающееся на шарикахъ
anello (m) a sfere
anillo (m) de bolas

7
nachstellbare Stützung (f)
adjustable support
butée (f) réglable



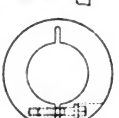
устанавливаемая опора (f); устанавливаемый упоръ (m)
pressione (f) *o* spinta (f) registrabile
tope (m) de contrapresión graduable

8
einstellbarer Spurzapfen (m)
adjustable thrust journal
pivot (m) réglable



устанавливаемая опорная пята (f)
piletta (f) *o* perno (m) registrabile
pivote (m) graduable

9
Stellring (m)
adjustable spring collar
collier (m) élastique



установочное кольцо (n)
anello (m) di pressione
anillo (m) elástico

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Stellschraube (f), Druckschraube (f)
setting screw
prisonnier (m), vis (f) de fixation

установочный винтъ (m); нажимный винтъ
vite (f) di pressione
tornillo (m) de presión, prisionero (m)

1

Druckzapfen (m)
point
butée (f)

a

упорная цапфа (f)
perno (m) di pressione
espiga (f) de presión

2

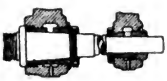
Schlitz (m)
slit, notch
fente (f)

b

прорѣзъ (m)
fessura (f), taglio (m)
ranura (f)

3

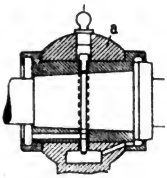
Arbeit[s]spindel (f) mit konischem und zylindrischem Laufzapfen
spindle with conical and cylindrical neck *or* journal
broche (f) à portées coniques et cylindriques



шпиндель (m) съ конической и цилиндрической шейками *или* цапфами
mandrino (m) a collare conico e cilindrico
husillo (m) de trabajo con espigas cónicas y cilíndricas

4

Ringschmierung (f)
ring lubrication
graissage (m) *ou* lubrification (f) à bague



кольцевая смазка (f)
lubrificazione (f) ad anello
engrase (m) automático por anillo

5

---

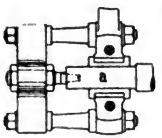
abnehmbarer Deckel (m)
detachable cap
chapeau (m) *ou* couvercle (m) amovible

a

съёмная крышка (f)
cappelletto (m) *o* coperchio (m) smontabile
tapa (f) postiza

6

Schwanzlager (n)
tail bearing
coussinet (m) arrière



задній подшипникъ (m)
cuscinetto (m) a coda
cojinete (m) cónico graduable

7

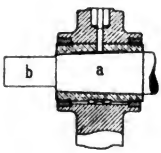
Schwanzzapfen (m)
tail journal
portée (f) arrière

a

задняя цапфа (f) *или* шейка (f)
colletto (m) a coda
espiga (f) de cola

8

Schwanzende (n)
tail end
extrémité (f) arrière *ou* queue (f) *ou* fusée (f) de l'arbre



b

задній конецъ (m) шпинделя
estremità (f) del colletto
final (m) de la cola, extremo (m) de la espiga

9

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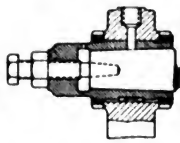
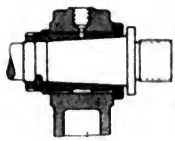


1
entlastetes Schwanzlager (n)
relieved tail bearing
coussinet (m) arrière déchargé, coussinet (m) arrière à butée indépendante

разгружённый задній подшипникъ (m) [шпинделя]
cuscinetto (m) registrabile a coda
cojinete (m) cónico equilibrado

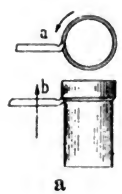


2
Hauptlager (n)
main bearing
coussinet (m) *ou* palier (m) principal

передній [коренной] подшипникъ (m)
cuscinetto (m) principale
cojinete (m) principal

3
Spindelantrieb (m)
spindle drive
commande (f) de la broche

передача (f) къ шпинделю
comando (m) del mandrino
movimiento (m) motor del husillo



a

4
kreisförmiger Hauptweg (m)
circular cutting path
chemin (m) parcouru par l'outil dans le tournage circulaire

круговое главное рабочее движеніе (n)
marcia (f) a taglio circolare
camino (m) principal circular

5
Umdrehungszahl (f), Tourenzahl (f)
number of revolutions
nombre (m) de tours

число (n) оборотовъ
numero (m) dei giri
número (m) de revoluciones

6
Geschwindigkeitsstufe (f)
rate of speed
[degré (m) de] vitesse (f)

ступени (f pl) скоростей
gradazione (f) di velocità
[escala (f) de] velocidad (f)

7
stufenweise Geschwindigkeitsänderung (f)
stepped variation of speed
variation (f) graduelle de la vitesse

измѣненіе (n) скорости скачками
variazione (f) graduale di velocità
cambio (m) de velocidad gradual

8
allmähliche Geschwindigkeitsänderung (f)
gradual variation of speed
variation (f) progressive de la vitesse

постепенное измѣненіе (n) скорости
variazione (f) progressiva di velocità
variación (f) paulatina de la velocidad

9
Übersetzungsverhältnis (n)
ratio of gear
rapport (m) de multiplication

передаточное число (n); передача (f)
rapporto (m) degli ingranaggi
multiplicación (f), relación (f) de transmisión

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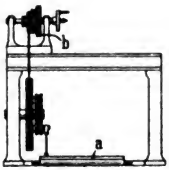

Fußantrieb (m) treadle drive commande (f) à pédale		ножной приводъ (m) comando (m) a pedale movimiento (m) á pedal	1
Tretschemel (m) treadle pédale (f)	a	педаль (f) pedale (m) pedal (m)	2
Schnurwirtel (m) cord pulley cône (m) de poulies à cordes, poulie (f) à corde	b	шкивъ (m) для круглаго *или* для шнурового ремня puleggie (f pl) a corda *od* a gola poleas (f pl) ranuradas para correa redonda *ó* cordón	3
Riemenantrieb (m), Drehbankantrieb (m) mittels Treibriemen belt drive commande (f) de tour par courroie		ременной приводъ (m) токарнаго станка comando (m) a cinghia movimiento (m) á correa	4
Treibriemen (m) driving belt courroie (f) de commande		приводный ремень (m) cinghia (f) di comando correa (f)	5
Vorgelege (n) transmission *or* intermediate gear renvoi (m) [de mouvement], transmission (f) intermédiaire		контръ-приводъ (m) rinvio (m) contra-marcha (f)	6
Vorgelegewelle (f) countershaft arbre (m) de renvoi	a	валъ (m) контръ-привода albero (m) del rinvio árbol (m) de la contra-marcha	7
Achsenabstand (m), Achsenentfernung (f) distance between centres distance (f) d'axe en axe *ou* de centre en centre	a	разстояніе (n) между осями distanza (f) degli assi distancia (f) entre ejes	8
Deckenvorgelege (n) overhead transmission gear renvoi (m) de plafond, transmission (f) supportée par chaises pendantes		потолочный контръ-приводъ (m) contralbero (m) contra-marcha (f) de techo	9
Deckenvorgelege (n) mit schnellem Rücklauf overhead countershaft with quick return gear renvoi (m) de mouvement à retour rapide		потолочный контръ-приводъ (m) для ускореннаго обратнаго хода contralbero (m) con ritorno rapido contra-marcha (f) con retroceso rápido	10

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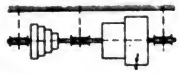
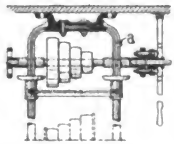
zweifaches Deckenvorgelege (n)
two speed overhead countershaft
1 renvoi (m) de mouvement à chaise pendante à deux vitesses



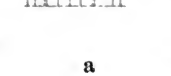
потолочный контръ-приводъ (m) съ двумя скоростями
contralbero (m) a due velocità
contra-marcha (f) de techo doble

drehbares Vorgelege (n)
swivelling countershaft
2 renvoi (m) de mouvement pivotant



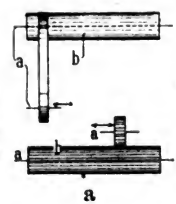
вращающійся или поворотный контръ-приводъ (m)
contralbero (m) *o* rinvio (m) girevole
contra-marcha (f) giratoria

Vorgelegeträger (m)
countershaft suspension
3 arm
chaise (f) de renvoi, support (m) de renvoi



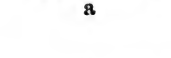
подвѣска (f) контръ-привода
sopporto (m) del contralbero *o* del rinvio
soporte (m) de la contramarcha

sich gleichlaufend gegeneinander verschiebende Wellen (f pl)
4 shafts movable in the direction of the axle
arbres (m pl) à rotation dans le même sens se déplaçant l'un par rapport à l'autre



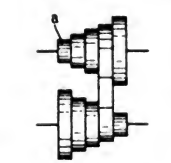
валы (m pl), вращающіеся въ одну сторону и перемѣщающіеся одинъ относительно другого
alberi (m pl) rotanti parallelamente e scorrevoli in senso trasversale
árboles (m pl) girando en el mismo sentido y de deslizamiento contrario

[Wellen-]Trommel (f)
5 drum
tambour (m)



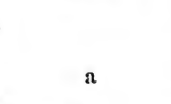
барабанъ (m)
tamburo (m)
tambor (m)

Stufenriemenantrieb (m), Stufenrollenantrieb (m) durch Treibriemen
6 cone pulley drive
commande (f) par poulies à gradins et courroie



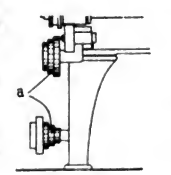
ступенчатая ременная передача (f); передача ступенчатыми шкивами
comando (m) a mezzo di puleggie a gradini
cambio (m) de velocidades por poleas escalonadas *ó* conos de varias velocidades

Stufenrolle (f), Stufenscheibe (f)
7 cone pulley
poulie (f) à gradins, poulie (f) étagée, cône (m) étagé *ou* à gradins



ступенчатый шкивъ (m)
puleggia (f) a gradini
polea (f) escalonada

Transportstufenscheibe (f)
8 feed cone pulley
poulie (f) à gradins de renvoi, cône (m) de renvoi



передаточный ступенчатый шкивъ (m)
puleggia (f) a gradini di rinvio *o* di trasporto
cono (m) de contramarcha

a

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mehrstufige Riemenrolle (f)
multistep cone pulley
poulie (f) à gradins *ou* étagée

шкивъ (m) съ нѣсколькими ступенями; многоступенчатый шкивъ
puleggia (f) a più gradini
polea (f) graduada *1*

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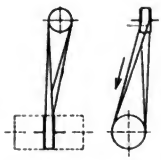
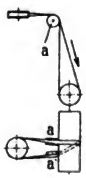
halbgeschränkter Riemen (m)
quarter twist belt
courroie (f) demi-croisée



полуперекрёстный *или* полускрещенный ремень (m)
cinghia (f) semiincrociata
correa (f) semi-cruzada *2*

Leitrolle (f)
jockey *or* guide pulley
poulie (f) de guidage, galet (m) de guidage



a

направляющій роликъ (m)
rullo (m) di guida
rodaja (f) de guía *3*

Einrücken (n) des Vorgeleges
throwing in the countershaft
embrayage (m) du renvoi

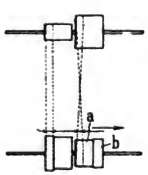
включеніе (n) *или* сцѣпленіе (n) контръ-привода
attacco (m) del contralbero
embrague (m) de la contra-marcha *4*

Ausrücken (n)
throwing out of gear, disengaging
débrayage (m)

выключеніе (n); расцѣпленіе (n)
distacco (m), disinnesto (m)
desembrague (m) *5*

---

den Riemen von der losen Rolle auf die feste Rolle überführen (v) *oder* verschieben (v)
to shift the belt from the loose to the fast pulley
faire (v) passer la courroie de la poulie folle sur la poulie fixe



перевести ремень съ холостого на рабочій шкивъ
trasportare (v) *o* far scorrere (v) la cinghia dalla puleggia folle sulla fissa
pasar (v) la correa de la polea loca á la polea fija *6*

---

lose Rolle (f)
loose pulley
poulie (f) folle

a

холостой шкивъ (m)
puleggia (f) folle
polea (f) loca *7*

---

feste Rolle (f)
fixed *or* fast pulley
poulie (f) fixe

b

рабочій шкивъ (m)
puleggia (f) fissa
polea (f) fija *8*

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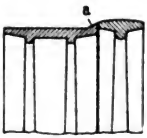
1 Anlauf (m) der Rolle
beveled lip of the pulley
rebord (m) conique de la poulie

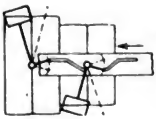


коническая заточка (f) шкива
rialzo (m) della puleggia
superficie (f) de subida de la polea loca à la fija

2 Gleiten (n) *oder* Rutschen (n) des Riemens
slipping of the belt
glissement (m) *ou* patinage (m) de la courroie

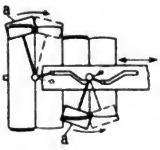
скольженіе (n) ремня
scorrimento (m) della cinghia
el patinar de la correa

3 Riemengabel (f)
belt fork
fourche (f) à courroie



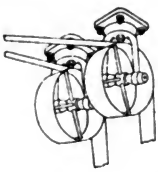
отводка (f); вилка (f) для перевода ремня
forcella (f) della cinghia
horquilla (f) para la correa

4 geschlossene Riemengabel (f)
closed belt fork
fourche (f) à courroie fermée



замкнутая отводка (f); замкнутая вилка (f) для перевода ремня
forcella (f) chiusa della cinghia
horquilla (f) cerrada para la correa

5 Riemenführer (m), Riemenleiter (m)
belt guide
guide-courroie (m)



направляющія (n pl) ремня
guida (f) della cinghia, guida-cinghia (f)
conductor (m) de la correa

6 Schnurantrieb (m)
cord drive
commande (f) par corde

передача (f) круглымъ *или* шнуровымъ ремнемъ
comando (m) a fune movimiento (m) motor por cordón

7 mehrrilliger Schnurlauf (m)
multiple grooved cord pulley
poulie (f) à gradins pour corde

ступенчатый шкивъ (m) съ канавками для круглыхъ *или* шнуровыхъ ремней
puleggia (f) a più gole
polea (f) graduada con ranuras para cordón

8 Kettenantrieb (m)
chain drive
commande (f) par chaine

цѣпная передача (f)
comando (m) a catena
movimiento (m) motor por cadena

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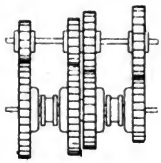
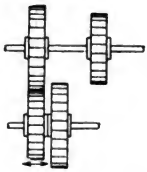
Räderantrieb (m)
toothed gear drive
commande (f) par engrenages



зубчатая передача (f)
comando (m) ad ingranaggi
movimiento (m) motor por engranajes derechos 1

Rädervorgelege (n)
spur wheel countershaft *or* back gear
contre-arbre (m) à harnais



зубчатый переборъ (m)
rinvio (m) ad ingranaggi
contra-marcha (f) de engranajes derechos 2

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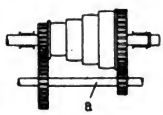
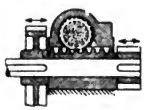
ausrückbares [Räder-] Vorgelege (n)
disengageable back gear
contre-arbre (m) débrayable *ou* à débrayage



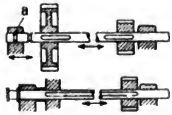
расцѣпной зубчатый переборъ (m)
contralbero (m) *o* rinvio (m) a distacco *od* a disinnesto
contra-marcha (f) de desembrague 3

Verschiebung (f) der Räder auf der Vorgelegewelle
moving the wheels along the countershaft
déplacement (m) des roues sur l'arbre intermédiaire du harnais



перемѣщеніе (n) зубчатыхъ колёсъ по переборной оси
spostamento (m) degli ingranaggi sul contralbero
traslación (f) de los engranajes sobre el árbol de la contramarcha 4

Verschiebung (f) der Vorgelegewelle
moving the countershaft
déplacement (m) de l'arbre intermédiaire du harnais

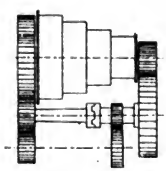


перемѣщеніе (n) переборной оси
spostamento (m) dell'albero del rinvio
desplazamiento (m) del árbol de la contramarcha 5

Einsteckstift (m)
stop pin
goujon (m)

закрѣпляющая шпилька (f)
spina (f) d'innesto
pasador (m) 6

Stufenrolle (f) mit Vorgelegen
stepped cones with countershaft gear
poulie (f) à gradins avec harnais d'engrenages



ступенчатые шкивы (m pl) съ зубчатымъ переборомъ
puleggia (f) a gradini con rinvio
cono (m) escalonado con contra-marcha de engranajes 7

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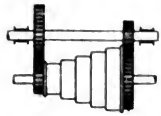
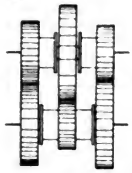
doppeltes Rädervorgelege (n)
1 double wheel gear
renvoi (m) double à harnais



двойной зубчатый переборъ (m)
rinvio (m) doppio ad ingranaggi, ingranaggio (m) doppio di ritardo
contra-marcha (f) doble de engranajes derechos

Stufenrädergetriebe (n)
variable speed wheel gear, stepped wheel-
2 gear
harnais(m)d'engrenages à roues étagées



ступенчатая зубчатая передача (f)
ingranaggi (m pl) gradinati a velocità variabile
mecanismo (m) de movimiento motor por engranajes derechos escalonados

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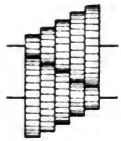
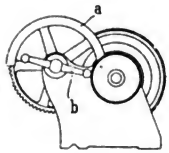
Stufenrad (n)
3 coned pulley
cône (m) de pignons



ступенчатый зубчатый наборъ (m)
ingranaggio (m) a gradini
engranaje (m) escalonado

Radschutzkappe (f)
gear case
4 capot (m) protecteur *ou* enveloppe (f) protectrice de roues



a

предохранительный кожухъ (m); чехолъ (m) зубчатаго колеса
cuffia (f) di protezione degli ingranaggi
cubierta (f) protectora para los engranajes

Umlegegriff (m) [für das Rädervorgelege]
back gear shaft handle
5 poignée (f) d'embrayage du harnais d'engrenages

b

ручка (f) для переставки перебора
manubrio (m) *o* leva (f) di attacco *o* di disinnesto [del rinvio ad ingranaggi]
palanca (f) para embragar la contramarcha de engranajes

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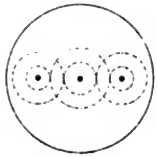
verdecktes Vorgelege (n)
6 encased back gear
harnais(m)d'engrenages intérieurs



закрытый зубчатый переборъ (m)
rinvio (m) coperto, cassa (f) degli ingranaggi
contra-marcha (f) cubierta

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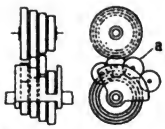
[Richardssches] Stufenrädergetriebe (n) mit Zwischenrädern
Richards' back gear with intermediate wheels
cônes (m pl) de pignons avec roues intermédiaires Richards, boîte (f) de vitesse Richards



ступенчатая зубчатая передача (f) Ричардса при помощи промежуточныхъ колёсъ
cassa (f) *o* rinvio (m) di ingranaggi a gradini con ingranaggi intermedi sistema «Richards» 1
disposición (f) de engranajes escalonados con ruedas intermedias sistema Richards

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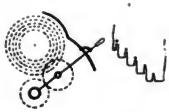
Zwischenrad (n)
intermediate wheel
roue (f) intermédiaire

a

промежуточное колесо (n)
ingranaggio (m) intermedio di trasporto 2
rueda (f) intermedia

[Nortonsches] Stufenrädergetriebe (n) mit ausschwenkbarem Zwischenrad
Norton's stepped gear with swinging intermediate wheel
harnais (m) d'engrenages Norton avec roue intermédiaire basculante *ou* boîte de vitesse Norton



зубчатая передача (f) Нортона съ передвижной шестерней; смѣнная передача Нортона
rinvio (m) *o* cassa (f) di ingranaggi a gradini con ingranaggio intermedio disinnestabile sistema «Norton» 3
disposición (f) de engranajes escalonados sistema Norton con rueda intermedia

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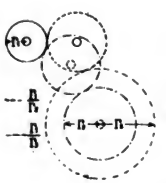
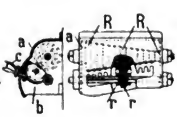
Auswechseln (n) der Räder
changing the wheels
changement (m) *ou* remplacement (m) des roues



смѣна (f) колёсъ
cambio (m) degli ingranaggi 4
el cambiar los engranajes

Wechselrädergetriebe (n)
change gear
harnais (m) d'engrenages à changement de vitesse



смѣнная зубчатая передача (f)
comando (m) *o* cassa (f) di ingranaggi con cambio di velocità 5
disposición (f) de cambio de velocidades por engranajes

Wechselräder (n pl)
change wheels
roues (f pl) de changement de vitesse

R, r

смѣнныя колёса (n pl); колёса для перемѣны скорости
ingranaggi (m pl) di ricambio 6
engranajes (m pl) de cambio de velocidad

Satzräder (n pl)
set of wheels
roues (f pl) du jeu d'engrenages

R

наборъ (m) смѣнныхъ колёсъ
ingranaggi (m pl) di assortimento 7
engranajes (m pl) de juego

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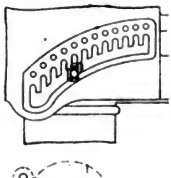
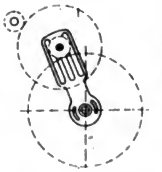
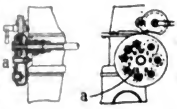
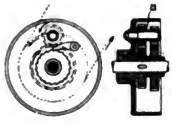
1	Herzhebel (m) reversing lever levier (m) de renversement de marche		рукоятка (f) трензеля [механизма для измѣненія направленія вращенія ходового винта] leva (f) d'inversione palanca (f) de cambio
2	Räderkasten (m) gear case, wheel box boîte (f) d'engrenages, boite (f) de [changement de] vitesse	a	переборная коробка (f) cassa (f) d'ingranaggi caja (f) de los engranajes de cambio de velocidad
3	Tasche (f) frame platine (f) [à engrenages]	b	каретка (f) scatola (f) dell'ingranaggio intermediario bolsillo (m)
4	Fallsperre (f), Federstellhebel (m) spring trigger cliquet (m)	c	собачка (f); защёлка (f) crichetto (m) d'arresto trinquete (m) de caída
5	Kamm (m) slotted adjustment plate ouvertures (f pl) en dents de peigne		гребёнка (f); рядъ (m) отверстій въ видѣ гребёнки scala (f) dentata abertura (f) dentada
6	Stelleisen (n), Pferdekopf (m), Schere (f) quadrant, adjustment plate tête (f) de cheval, lyre (f)		гитара (f); большой трензель (m) testa (f) di cavallo, quadrante (m) guitarra (f)
7	Wechselräderkasten (m), Wechselrädergehäuse (n), Wechselräderdose (f) change gear box *or* case boîte (f) à engrenages de [changement de] vitesse		коробка (f) со смѣнными зубчатыми колёсами scatola (f) degli ingranaggi di cambio caja-revólver (f) continuendo los engranajes de cambio
8	Schild (n) shield plaque (f) à cadran	a	щитокъ (m) placca (f) a quadrante placa (f)
9	Planeten[rad]getriebe (n), Umlaufräder (n pl) planet gear harnais (m) d'engrenages planétaires		планетная или планетарная передача (f) cassa (f) d'ingranaggi a movimento planetario *od* a ruote secondarie engranaje (m) de movimiento planetario
10	Doppelrad (n) double wheel roues (f pl) jumellées	a	двойное [зубчатое] колесо (n) ruota (f) doppia *o* gemella rueda (f) *o* engranaje (m) doble

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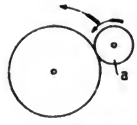
Umlaufrad (n), Planetenrad (n)
planet pinion
[roue (f)] satellite (m)

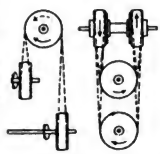


a

планетное *или* планетарное колесо (n)
ruota (f) *o* pignone (m) secondario
engranaje (m) secundario *ó* satélite

1

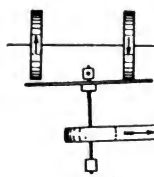
Umkehr (f) der Drehrichtung
reversal of the direction of rotation
changement (m) du sens de rotation



перемѣна (f) направленія вращенія
inversione (f) del senso di rotazione
inversión (f) de la dirección de rotación

2

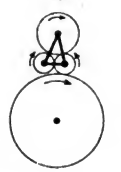
Wendegetriebe (n), [Um-] Kehrgetriebe (n)
reversing gear
mécanisme (m) de renversement *ou* d'inversion du sens de rotation



механизмъ (m) для перемѣны направленія вращенія
meccanismo (m) di inversione del senso di rotazione
mecanismo (m) de inversión de marcha

3

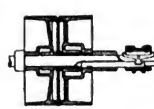
Wendeherz (n), Herz (n)
tumbler, stud wheel plate
cœur (m) de renversement



малый трензель (m); перекидной механизмъ (m)
crociera (f) d'inversione
corazón (m) de inversión

4

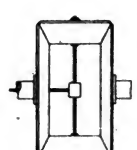
Wendegetriebe (n) mit Reibkupplung
reversing gear with friction coupling
[mécanisme (m) de] renversement (m) du sens de rotation par embrayage à friction



механизмъ (m) для измѣненія направленія вращенія при помощи фрикціонной муфты
meccanismo (m) d'inversione con innesto a frizione
mecanismo (m) de cambio con acoplamiento de fricción

5

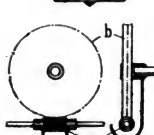
Gegengetriebe (n), Differentialgetriebe (n)
differential gear
différentiel (m), mécanisme (m) à différentiel



дифференціальная передача (f)
meccanismo (m) differenziale
mecanismo (m) de movimiento contrario, mecanismo (m) de movimiento diferencial

6

Wurmradgetriebe (n)
screw gear, worm gear
[mécanisme (m) de] commande (f) par roue et vis sans fin



червячная передача (f)
meccanismo (m) a vite perpetua
mecanismo (m) de movimiento de tornillo sin fin

7

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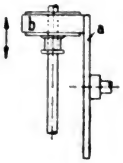
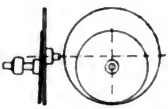
1	verschiebbare Schraube (f), Wurm (m), Schraube (f) ohne Ende, Schnecke (f) worm, endless screw vis (f) sans fin déplaçable	a	червякъ (m); безконечный винтъ (m) vite (f) perpetua spostabile tornillo (m) sin fin graduable
2	Wurmrad (n), Schneckenrad (n) worm wheel roue (f) [à denture] hélicoïdale	b	червячное или винтовое колесо (n) ruota (f) per vite perpetua, ingranaggio (m) a denti elicoidali rueda (f) helicoidal
3	Reibräderantrieb (m), Reibantrieb (m) friction drive commande (f) à friction *ou* par roues à friction		фрикціонный приводъ (m) comando (m) con dischi a frizione movimiento (m) motor por poleas ó ruedas de fricción
4	Reib[ungs]getriebe (n) friction gear mécanisme (m) *ou* commande (f) à friction		фрикціонная передача (f) meccanismo (m) a frizione movimiento (m) motor de fricción
5	Reibscheibe (f), Friktionsscheibe (f) friction disc plateau (m) de friction	a	фрикціонный дискъ (m) disco (m) a frizione plato (m) de fricción
6	verschiebbare Walze (f) sliding drum rouleau (m) deplaçable	b	передвижной фрикціонный цилиндръ (m) rullo (m) spostabile cilindro (m) desplazable lateralmente
7	Reibantrieb (m) mit zwei Scheiben friction drive with two discs commande (f) à friction par deux plateaux		фрикціонная передача (f) съ двумя дисками трения comando (m) a frizione con due dischi movimiento (m) de fricción de dos discos
8	Reibantrieb (m) mit Doppelkegelrädern friction drive with double conical wheels commande (f) à friction par deux roues biconiques, mécanisme (m) de friction à deux roues coniques		фрикціонная передача (f) съ двумя коническими колёсами comando (m) a frizione con due dischi conici movimiento (m) de fricción por ruedas de doble cono

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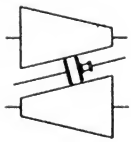
Reib[ungs]kegelantrieb (m)
friction cone drive
commande (f) à friction par cônes



фрикціонная передача (f) съ двумя коническими барабанами и промежуточнымъ роликомъ; передача Эванса; передача Барнгурста
comando (m) a frizione con coni *o* con rulli conici
movimiento (m) motor por conos de fricción

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kegel[förm]iges *oder* konisches Reib[ungs]vorgelege (n)
cone gear with friction strap
renvoi (m) de mouvement par cônes de friction

фрикціонная передача (f) при помощи коническихъ барабановъ
contralbero (m) *o* rinvio (m) con coni *o* con rulli conici a frizione
contra-marcha (f) de fricción cónica

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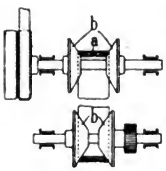
verstellbare Riementrommeln (f pl)
„Reeves" variable gear
tambours (m pl) coniques à courroie extensibles



передвижные барабаны (m pl); передача (f) Ривса
tamburi (m pl) conici estensibili a cinghia
tambores (m pl) graduables para correas achaflanadas

Keilriemen (m)
wedge shaped belt
courroie (f) en coin

a

клиновой ремень (m)
cinghia (f) conica *od* a △
correa (f) achaflanada

Keilriemenrolle (f)
conical disc pulley
galet (m) *ou* poulie (f) *ou* rouleau (m) pour courroie en coin

b

шкивъ (m) для клиноваго ремня
puleggia (f) per cinghia conica *o* per cinghia ad △
polea (f) para correa achaflanada

---

elektrischer Antrieb (m)
electric drive
commande (f) électrique

токарный станокъ (m) съ электрическимъ приводомъ; токарный станокъ съ передачей отъ электродвигателя
comando (m) elettrico
movimiento (m) eléctrico

Kreuzgelenk (n), Hookesches Gelenk (n)
universal *or* Hooke's joint
joint (m) universel *ou* articulation (f) universelle de Hooke, cardan (m)

шарнирное соединеніе (n) Гука; универсальный шарниръ (m) Кардана
giunto (m) universale *od* a cardano di Hooke
articulación (f) en cruz sistema Hooke

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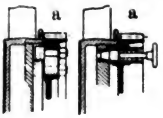
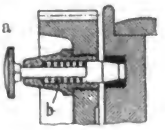
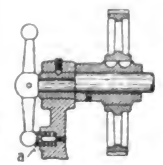
1	verstellbare Zwischenwelle (f), Teleskopwelle (f) adjustable intermediate shaft arbre (m) extensible	a	промежуточный валикъ (m) albero (m) intermedio estensibile árbol (m) intermedio graduable
2	die Stufenscheibe kuppeln (v) to couple the cone pulleys accoupler (v) *ou* coupler (v) la poulie étagée *ou* à gradins		сцѣпить ступенчатый шкивъ innestare (v) *od* attaccare (v) *od* accoppiare (v) la puleggia a gradini acoplar (v) la polea escalonada
3	mit der Stufenscheibe gekuppeltes Zahnrad (n) spur wheel coupled with step pulley engrenage (m) accouplé avec poulie à gradins	 a	зубчатое колесо (n), сцѣплённое со ступенчатымъ шкивомъ puleggia (f) a gradini innestata all'ingranaggio engranaje (m) acoplado á la polea escalonada
4	Mitnehmer (m) driver, catch toc (m) *ou* verrou (m) d'entrainement		сцѣпка (f); приспособленіе (n) для сцѣпленія tappo (m) di presa *o* d'innesto tope (m) de conducción
5	Mitnehmerschraube (f) driving *or* catch bolt vis (f) de blocage du toc *ou* verrou d'entrainement	a	сцѣпляющій болтъ (m) vite (f) del tappo di presa tornillo (m) del tope de conducción
6	selbsttätig einspringender Mitnehmer (m) automatically engaging driver *or* catch verrou (m) d'entrainement à ressort *ou* à enclanchement automatique		автоматическая сцѣпка (f); автоматически сцѣпляющій стержень (m) tappo (m) di presa automatico *od* a molla tope (m) de conducción de disparo automático
7	Mitnehmerknopf (m) knob of catch molette (f) *ou* bouton (m) verrou d'entrainement	a	головка (f) сцѣпки bottone (m) *o* pomello (m) del tappo di presa cabeza (f) de tope conductor
8	Mitnehmerfeder (f) driver *or* catch spring ressort (m) du verrou d'entrainement	b	пружина (f) сцѣпки molla (f) del tappo di presa resorte (m) del tope conductor
9	die Vorgelegewelle verriegeln (v) to lock the back gear shaft bloquer (v) *ou* verrouiller (v) l'arbre du harnais d'engrenage		закрѣпить переборный валикъ *или* переборную ось bloccare (v) *o* fissare (v) *o* fermare (v) l'albero del rinvio asegurar (v) el eje de la contra-marcha

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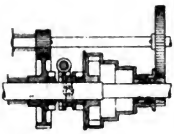
Federriegel (m)
spring bolt
verrou (m) à ressort

a

пружинный замокъ (m) *или* запоръ (m)
bloccaggio (m) *o* fissaggio (m) a molla
cierre (m) á resorte

1

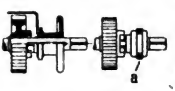
Spindelstock (m) mit Zahnkupplung
head stock with dog clutch *or* claw coupling
poupée (f) à accouplement à griffes



шпиндель (m) съ зубчатой муфтой
testa (f) di tornio a mandrino [con manicotto a denti], mandrino (m) con innesto a denti
cabezal (m) de husillo con acoplamiento de garras

2

Klauenkupplung (f), Zahnkupplung (f)
claw *or* clutch coupling
accouplement (m) à griffes



зубчатая муфта (f); кулачная муфта
innesto (m) a griffe *od* a denti
acoplamiento (m) de uñas ó garras

3

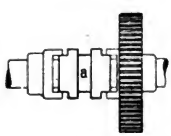
Halsring (m)
neck ring, yoke ring
bague (f) à gorge

a

хомутикъ (m); вилка (f)
anello (m) del collare
arandela (f)

4

Doppelkuppelstück (n)
double coupling piece
pièce (f) d'accouplement double

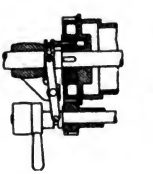


a

двойная сцѣпная муфта (f)
manicotto (m) *od* innesto (m) doppio
pieza (f) de acoplamiento doble

5

Stiftkupplung (f)
pin coupling
accouplement (m) par cheville *ou* doigt *ou* goupille



сцѣпленіе (n) штифтомъ; муфта (f) съ пальцемъ
innesto (m) a spina
acoplamiento (m) por pasadores ó pivotes

6

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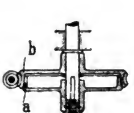
stoßfreies Einrücken (n) der Kupplung
throwing in the coupling without shock
embrayage (m) sans à-coups (de l'accouplement)

сцѣпленіе (n) муфтой безъ ударовъ
innesto (m) senza urto
embrague (m) del acoplamiento sin golpe

7

Reib[ungs]kupplung (f)
friction clutch *or* coupling
accouplement (m) à friction, embrayage (m) à friction



муфта (f) тренія; фрикціонная муфта
innesto (m) a frizione
acoplamiento (m) de fricción

8

Reibkegel (m)
male friction cone
cône (m) [mâle] de friction

a

фрикціонный конусъ (m)
cono (m) a frizione
cono (m) de fricción

9

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1 Gegenkegel (m)
female friction cone
cône (m) [femelle] de friction

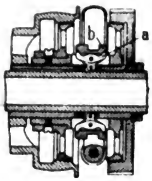
b

контръ-конусъ (m)
contro-cono (m), cono (m) femina
contra-cono (m)

2 Handhebel (m) zum Einrücken der Kupplung
hand lever for throwing in the clutch
levier (m) d'embrayage d'un accouplement

рукоятка (f) для сцѣпленія муфты
leva (f) per l'innesto a frizione
palanca (f) á mano para embragar el acoplamiento

3 Sichel (f), sichelförmiger Hebel (m)
toggle lever, crescent shaped lever
levier (m) en forme de croissant



a

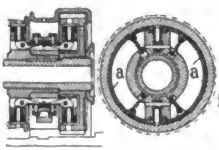
серпъ (m); серповидный рычажокъ (m)
leva (f) a forcella
palanca (f) en forma de hoz

4 Schließring (m)
sliding ring
bague (f) *ou* anneau (m) de blocage *ou* d'embrayage

b

запорное кольцо (n)
anello (m) di blocco *o* d'innesto
anillo (m) de cierre

5 Zylinder[reib]kupplung (f)
cylinder friction coupling
accouplement (m) à friction cylindrique



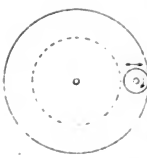
цилиндрическая муфта (f) трѣнія: цилиндрическая фрикціонная муфта: цилиндрическая муфта сцѣпленія
innesto (m) cilindrico a frizione *od* a frizione ad anello
acoplamiento (m) de fricción cilíndrico

6 Bremsring (m), Bremsband (n), Spreizring (m)
brake band
bague (f) de friction, bague (f) de frein, ruban (m) de frein

a

тормазное кольцо (n); тормазная лента (f)
nastro (m) di freno
anillo (m) ó cinta (f) de freno

7 Reibrollenantrieb (m)
friction roller drive
commande (f) par galets de friction *ou* par rouleaux de friction



передача (f) при помощи фрикціоннаго ролика
comando (m) con rulli a frizione
movimiento (m) por rodajas de fricción

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Vorschub und Support

Feed and Support

Mécanisme d'avancement et support

Подача и суппортъ

Avanzamento e sopporto

Mecanismo de avance y soporte

1

Anstellen (n) des Drehstahls
application of the turning tool
mise (f) au point de l'outil, (approche (f) de l'outil)

установка (f) рѣзца
messa (f) a punto *od* avvicinamento (m) dell'utensile
aplicación (f) de la herramienta de tornear

2

Vorschub (m), Zuschiebung (f)
feed
avance (f)

подача (f)
avanzamento (m)
avance (m), alimentación (f)

3

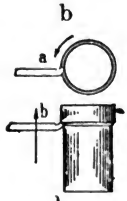
Schaltbewegung (f)
feed motion
mouvement (m) d'avance

a

движеніе (n) подачи
movimento (m) di avanzamento
movimiento (m) de avance

4

Schaltweg (m), Zuschiebungsweg (m)
direction of feed
direction (f) de l'avance



ходъ (m) подачи
direzione (f) di avanzamento
distancia (f) de avance

5

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geradliniger Schaltweg (m)
straight feed
avance (f) rectiligne

прямолинейный ходъ (m) подачи
avanzamento (m) rettilineo
camino (m) de avance rectilíneo

6

Dauervorschub (m), Dauerschaltung (f)
continuous *or* uninterrupted feed
avance (f) continue

непрерывная подача (f)
avanzamento (m) continuo
avance (m) continuo

7

Sprungschaltung (f)
irregular feed
avance (f) par cliquet

прерывная подача (f)
avanzamento (m) a tempi *od* a scatti
avance (m) de salto

8

Druckschaltung (f)
automatic feed
avance (f) automatique

нажимная подача (f)
avanzamento (m) automatico a pressione
avance (m) por presión

9

Planvorschub (m)
cross feed
avance (f) transversale

поперечная подача (f)
avanzamento (m) trasversale
avance (m) plano

10

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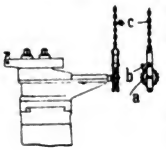
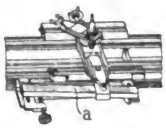
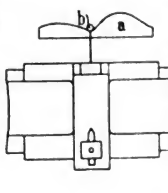
1	Schaltwerk (n) traverse gear, traverse *or* rack feed gear dispositif (m) d'avance par cliquet		механизмъ (m) подачи съ храповикомъ meccanismo (m) dello avanzamento o di comando dell' avanzamento mecanismo (m) de avance por cadena y rueda de trinquete
2	Schaltrad (n) ratchet wheel roue (f) à cliquet *ou* à rochet	a	храповикъ (m) ruota (f) a nottolino rueda (f) de trinquete
3	Klinke (f), Sperrzahn (m) pawl cliquet (m)	b	собачка (f) nottolino (m) trinquete (m)
4	Schaltkette (f) feed *or* traverse chain chaine (f) de commande	c	храповая цѣпь (f); передаточная цѣпь catena (f) di comando dell'avanzamento cadena (f) de avance
5	Kegeligdrehen (n) *oder* Konischdrehen (n) mit Leitlineal taper turning from guide *or* former bar tournage (m) conique au moyen d'une règle		точеніе (n) конусовъ *или* коническое точеніе по направляющей линейкѣ tornitura (f) conica a mezzo di guida rettilinea el tornear cónico con escuadra-guía
6	Leitlineal (n) guide *or* former bar règle (f) *ou* dispositif (m) pour tourner cône	a	направляющая линейка (f) guida (f) rettilinea escuadra (f) guía
7	Stichelverschiebung (f) nach Lehre *oder* Schablone movement of tool from copy *or* former bar mouvement (m) de l'outil guidé par gabarit		передвиженіе (n) рѣзца по шаблону movimento (m) dell'utensile guidato da sciablona movimiento (m) de avance de la herramienta guiado por patrón ó plantilla
8	Führungslehre (f), Schablone (f) copy, former, jig gabarit (m)	a	направляющій шаблонъ (m) sciablona (f) plantilla (f) ó patrón (m) de guía
9	Führungsrolle (f), Leitrolle (f) copy roller, former roller roulette (f) à gabarit *ou* de guidage	b	направляющій роликъ (m) rullo (m) di guida, rullo (m) copiatore rodaja (f) de guía

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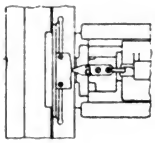
Führungsfinger (m), Kopierstift (m)
guide finger
touche (f) guidée, touche (f) à gabarit



направляющій палецъ (m); копировальный штифтъ (m)
dito (m) *o* spina (f) di guida
espiga (f) de guía ó de copiar

1

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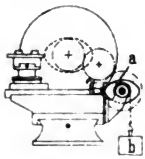
geschlossene Führung (f)
slotted former bar
gabarit (m) à guidage fermé

замкнутая направляющая (f) овальныхъ предметовъ
guida (f) continua
guía (f) cerrada

2

Ovalwerk (n)
oval turning device
dispositif (m) pour tourner oval



овально-токарный станокъ (m)
dispositivo (m) da tornire ovale
disposición (f) para tornear óvalos

3

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ovale *oder* eiförmige Schablone (f)
oval copy *or* former
gabarit (m) oval

a

овальный шаблонъ (m)
sciablona (f) *o* guida (f) ovale
plantilla (f) óvala

4

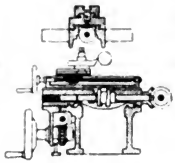
Spanngewicht (n)
tension weight
contrepoids (m) de tension

b

натяжной грузъ (m) *или* противовѣсъ (m)
contrappeso (m) di tensione, tenditore (m)
contra-peso (m) de tensión

5

Hinterdrehvorrichtung (f)
backing off *or* relieving device
dispositif (m) à dépouiller *ou* à détalonner



приспособленіе (n) для задней заточки
dispositivo (m) per tornire eccentricamente a scalo *od* a spoglia
disposición (f) de retornear, disposición (f) para tornear automáticamente los rebojos de los dientes de fresas de perfil constante

6

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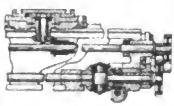
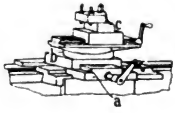
seitliche Hinterdrehvorrichtung (f)
lateral backing off *or* relieving device
dispositif (m) à dépouiller latéralement



временное приспособленіе (n) для задней заточки
dispositivo (m) per tornire lateralmente a scalo *od* a spoglia
disposición (f) de retornear lateralmente

7

Support (m)
saddle *or* carriage
support (m) à chariot



суппортъ (m)
carrello (m)
carro-soporte (m)

8

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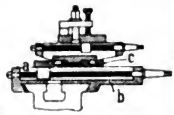
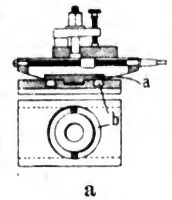
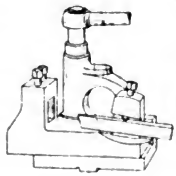
1	Drehbanksupport (m) lathe saddle *or* carriage chariot (m) de tour		суппортъ (m) токарнаго станка carrello (m) del tornio carro-soporte (m) de torno
2	Untersupport (m) bottom slide chariot (m) *ou* support (m) inférieur	a b	нижній суппортъ (m); нижняя часть (f) суппорта sopporto (m) inferiore soporte (m) inferior
3	Obersupport (m) top rest *or* slide support (m) du porte-outil	c	верхній суппортъ (m) sopporto (m) superiore soporte (m) superior
4	Kreuzsupport (m) compound slide rest support (m) à chariots croisés		крестовый суппортъ (m) sopporto (m) a croce soporte (m) de movimiento en cruz
5	Kreuzschlitten (m), Kreuzschieber (m) cross slide chariot (m) à mouvements croisés (ensemble des deux chariots)	a	крестовыя салазки (f pl) slitta (f) trasversale *od* a croce carro-soporte (m) de movimiento en cruz
6	Bettschlitten (m), Längsschlitten (m) main saddle *or* carriage chariot (m) longitudinal	b	продольныя салазки (f pl); салазки продольнаго самохода slitta (f) del banco carro-soporte (m) longitudinal
7	Planschlitten (m), Querschlitten (m) cross slide chariot (m) transversal	c	поперечныя салазки (f pl); салазки поперечнаго самохода slitta (f) trasversale carro-soporte (m) transversal
8	Drehscheibe (f), Drehschemel (m), Wendeplatte (f) swivelling base plateau (m) tournant *ou* pivotant, assise (f) pivotante	 a	поворотный кругъ (m) suola (f) *o* piastra (f) girevole asiento (m) giratorio del carro
9	Kreisnut (f) circular groove rainure (f) circulaire	b	круговой пазъ (m); круговая канавка (f) scanalatura (f) circolare ranura (f) circular
10	Quersupport (m) parting slide, parting tool slide support (m) à saigner, support (m) transversal		поперечно-патронный суппортъ (m) portautensili (m), portaferro (m) soporte (m) transversal

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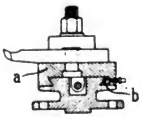
Schraubenquersupport (m)
parting slide with screw feed
chariot (m) transversal à vis

винтовой поперечный суппортъ (m)
portautensili (m) *o* portaferro (m) a vite
carro (m) transversal de tornillo

1



Werkzeugschlitten (m), Schieber (m)
tool box *or* post
chariot (m) porte-outil

рѣзцовыя салазки (f pl); суппортъ (m) рѣзцодержателя: рѣзцодержательный суппортъ
portautensili (m), portaferro (m)
carro (m) porta-útil

2

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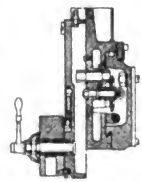
a

Stelleiste (f), Stellschiene (f)
vee slip *or* strip
listel (m) *ou* lardon (m) réglable

b

зажимная *или* зажимающая пластинка (f)
lardone (m)
listón (m) para la graduación

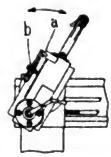
3



Stichelhausschlitten (m) mit Stahlwechselkopf für stehende Drehbank
turret slide rest with swivel head for vertical turning mill
chariot (m) à revolver pour tour vertical

рѣзцовыя салазки (f pl) съ револьверной головкой для вертикальнаго токарнаго станка
testa (f) portautensili a revolver per tornio verticale
carro (m) porta-útil revólver para torno vertical

4



verstellbarer Werkzeugschlitten (m) [für stehende Drehbank]
adjustable slide rest for vertical turning mill
chariot (m) porte-outil pivotant pour tour-alésoir vertical

переставляемыя рѣзцовыя салазки (f pl) [для вертикальнаго станка]
testa (f) portautensili girevole per tornio verticale
carro (m) porta-útil inclinable para torno vertical

5

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herausklappbarer Anschlag (m)
throw out stop
butée (f) à rabattement extérieur

a

выдвижной упоръ (m) *или* палецъ (m)
arresto (m)
tope (m) á bisagra

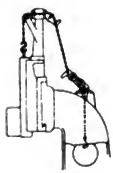
6

Anschlagstern (m)
star stop
étoile (f) de butée

b

упорная звѣздчатка (f)
volantino (m) dell'arresto
estrella (f) de tope

7



Kettenführung (f)
chain guide device
dispositif (m) de guidage pour chaine

направляющія (f pl) для цѣпи
dispositivo (m) di guida a catena
guía (f) de porta-útil por cadena

8

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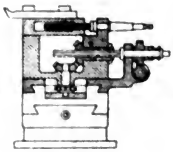


1 Fassonsupport (m)
forming rest
chariot (m) [de tour] à façonner

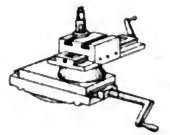
суппортъ (m) для фасонной точки
carrello (m) per sagomare
carro-soporte (m) para tornear perfiles

2 Kurvensupport (m)
curve forming rest
chariot (m) à gabarit, chariot (m) à reproduire *ou* façonner *ou* profiler des courbes

суппортъ (m) для точки криволинейныхъ поверхностей
sopporto (m) per profilare
carro-soporte (m) para tornear curvas

3 Kugelsupport (m)
ball forming rest
chariot (m) à tourner les sphères *ou* billes

суппортъ (m) для точки шаровыхъ поверхностей
sopporto (m) per tornire sfere
carro-soporte (m) para tornear esferas



4 Handsupport (m)
hand slide rest
chariot (m) à main

ручной суппортъ (m)
sopporto (m) a mano
carro-soporte(m) á mano

5 Handauflage (f)
hand tool rest, T-rest
support (m) d'outil à main

подручникъ (m)
sopporto (m) a ventaglio
apoyo (m) de mano

6 schmaler Einstecker (m) *oder* Stecker (m) *oder* Einsatz (m)
narrow T-rest
support (m) à main étroit, équerre (f) étroite

a

узкій подручникъ (m)
ventaglio (m) [del sopporto] stretto
apoyo (m) estrecho postizo

7 breiter Einstecker (m) *oder* Stecker (m) *oder* Einsatz (m)
broad T rest
support (m) à main large

широкій подручникъ (m)
ventaglio (m) [del sopporto] lungo
apoyo (m) ancho postizo

8 Supportunterteil (m)
rest base
base (f) du support

нижняя часть (f) суппорта
base (f) del carrello
base (m) del soporte

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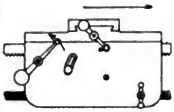
Einstellen (n) des Supports
bringing the saddle into position
mise (f) au point du chariot

установка (f) суппорта
messa (f) a punto del carrello
graduación (f) del carro-soporte
1

Zurückkurbeln (n) des Supports
running back the saddle by hand
retour (m) de chariot à la main par manivelle



обратное передвиганіе (n) суппорта
ritorno (m) del carrello a mezzo di volantino a mano
el hacer retroceder el carro-soporte por manivela
2

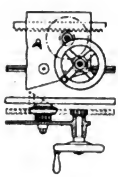
Gewindeuhr (f)
thread indicator
indicateur (m) de filetage

указатель (m) рѣзьбы
indicatore (m) del filetto
indicador (m) de pasos de rosca
3

Supportsteuerung (f)
operating gear for saddle
commande (f) du chariot

управленіе (n) суппортомъ
[comando (m) dell']inversione (f) di marcia del carrello
movimiento (m) del carro-soporte
4

Handsteuerung (f)
hand operating gear for saddle
commande (f) à la main



управленіе (n) отъ руки
inversione (f) della marcia a mano
movimiento (m) á mano
5

Längsverschiebung (f) des Bettschlittens
longitudinal travel of saddle
déplacement (m) longitudinal du chariot

продольное передвиганіе (n) нижнихъ салазокъ
spostamento (m) longitudinale del carrello *o* della slitta
avance (m) longitudinal del carro
6

Längsgang (m)
longitudinal travel *or* traverse
mouvement (m) longitudinal

продольный ходъ (m)
movimento (m) longitudinale
marcha (f) longitudinal
7

Längszug (m)
longitudinal traverse motion *or* gear
mécanisme (m) d'avance longitudinale automatique

механизмъ (m) продольнаго самохода
avanzamento (m) longitudinale
disposición (f) de marcha longitudinal
8

Querzug (m)
cross traverse motion *or* gear
mécanisme (m) d'avance transversale automatique

механизмъ (m) поперечнаго самохода
avanzamento (m) trasversale
disposición (f) de marcha transversal
9

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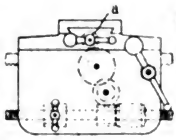


a

1 Planzug (m)
surfacing motion *or* gear
mouvement (m) de dressage, avancement (m) transversal automatique

механизмъ (m) поперечнаго самохода
avanzamento (m) del portautensili per spianare
disposición (f) de movimiento de planear

2 Planrad (n)
pinion on cross traverse screw
roue (f) de commande du (mouvement de) dressage *ou* d'avance transversale

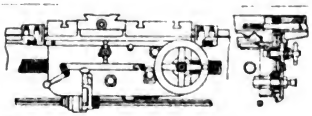
колесо (n) поперечнаго хода
volantino (m) dell'avanzamento del portautensili per spianare
rueda (f) de planear *ó* de avance transversal

3 Selbstgang (m) des Supports
self-act travel of saddle
avancement (m) automatique du chariot

самоходъ (m) суппорта
movimento (m) *o* spostamento (m) automatico del carrello
marcha (f) automática del carro-soporte

4 Selbstzug (m)
self-act
commande (f) automatique

механизмъ (m) самохода
avanzamento (m) automatico
marcha (f) automática

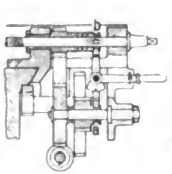


5 Verrieglung (f) *oder* Sperrung (f) der Selbstzüge
locking the self-act
blocage (m) des avances automatiques, verrouillage (m) des mouvements automatiques *ou* de la commande automatique

запираніе (n) самоходовъ
bloccaggio (m) degli avanzamenti automatici
obstrucción (f) de las marchas automáticas

6 den Selbstzug verriegeln (v) *oder* sperren (v)
to lock the self-act
bloquer (v) l'avance automatique, verrouiller (v) la commande automatique

запирать самоходъ
bloccare (v) l'avanzamento automatico
obstruir (v) *ó* embragar (v) la marcha automática



7 Längskupplung (f)
sliding coupling for longitudinal travel of saddle
embrayage (m) [de la commande] du mouvement longitudinal

включеніе (n) продольной подачи
innesto (m) dell'avanzamento longitudinale
acoplamiento (m) longitudinal

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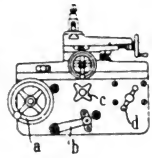
Plankupplung (f)
sliding coupling for cross traverse
embrayage (m) [de la commande] transversal *ou* de dressage

b

включеніе (n) поперечной подачи
innesto (m) dell'avanzamento trasversale *1*
acoplamiento (m) del movimiento transversal *ó* de planear

Bettplattenschürze (f), Schürze (f), Schloßplatte (f), Räderplatte (f), Schlittenschild (n), Supportbrett (n)
carriage apron
tablier (m) du chariot



передняя суппортная доска (f)
piastrone (m) del carrello *2*
placa-cubierta (f) del mecanismo de alimentación del carro

Handrad (n)
hand wheel
manette (f)

a

маховичокъ (m)
volantino (m) a mano *3*
rueda (f) á mano

Ausrücker (m), Umschalthebel (m)
clasp nut engaging lever, reversing lever
levier (m) d'embrayage *ou* de débrayage [des mouvements croisés]

b

отводка (f); рычагъ (m) для перемѣны хода
leva (f) di disinnesto, leva (f) di comando dell'inversione *4*
leva (f) de embrague de los movimientos en cruz

Kreuzgriff (m)
star handle
croisillon (m)

c

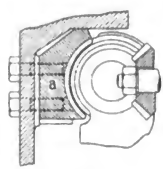
крестообразная ручка (f)
volantino (m) a croce *5*
manilla (f) en cruz

Knebelgriff (m)
T-handle
manette (f)

d

Т-образная ручка (f)
maniglia (f) *6*
manilla (f) de puños

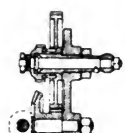
Mutterplatte (f)
apron
tablier (m), plaque-écrou (f)



передняя суппортная доска (f)
piastrone (m) del carrello *7*
placa-cubierta (f) para el mecanismo del carro

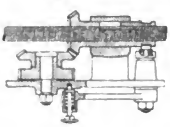
a

Längsschloß (n)
longitudinal feed gear
[dispositif (m) d']embrayage (m) du mouvement longitudinal



сцѣпленіе (n) продольнаго самохода
innesto (m) del movimento longitudinale
mecanismo (m) de embrague del movimiento longitudinal *ó* de cilindrar *8*

Planschloß (n)
cross traverse *or* transverse feed gear, surfacing gear
[dispositif (m) d']embrayage (m) du mouvement transversal *ou* de dressage



сцѣпленіе (n) поперечнаго самохода
innesto (m) del movimento trasversale
mecanismo (m) de embrague del movimiento transversal *ó* de refrentar *9*

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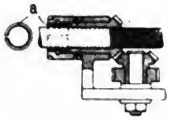
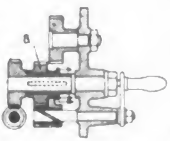
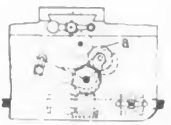
	Planschloß (n) mit Klemmkupplung surfacing gear with friction coupling [dispositif (m) d'] embrayage (m) du mouvement transversal par bague de serrage		сцѣпленіе (n) поперечнаго самохода съ зажимной муфтой innesto (m) a frizione del movimento trasversale embrague (m) del movimiento de plancar con acoplamiento de presión
1			
	geschlitzter Klemmkegel (m) split friction cone cône (m) de serrage fendu	a	зажимной конусъ (m) съ разрѣзомъ cono (m) spaccato di frizione cono (m) de presión dividido parcialmente
2			
	Planschloß (n) mit verschiebbarem Stirnrad surfacing gear thrown in *or* out by sliding gear wheel [dispositif (m) d'] embrayage (m) du mouvement transversal avec engrenage déplaçable		сцѣпленіе (n) поперечнаго самохода съ передвижной шестерней innesto (m) del movimento trasversale a mezzo di ingranaggio cilindrico spostabile *o* scorrevole embrague (m) de plancar con engranaje derecho corredizo
3			
	verschiebbares Stirnrad (n) sliding gear wheel roue (f) d'engrenage déplaçable	a	передвижная шестерня (f) ingranaggio (m) cilindrico spostabile *o* scorrevole engranaje (m) derecho corredizo
4			
	Planschloß (n) mit einschwenkbarem Stirnrad surfacing gear with gear wheel to swing in *or* out of gear [dispositif (m) d'] embrayage (m) du mouvement transversal avec engrenage basculant		сцѣпленіе (n) поперечнаго самохода съ отводимой шестерней innesto (m) del movimento trasversale a mezzo di ingranaggio cilindrico montato su braccio di leva embrague (m) de plancar con engranaje derecho de movimiento de balanza
5			
	einschwenkbares *oder* ausschwenkbares Stirnrad (n) gear wheel swinging in *or* out of gear roue (f) d'engrenage basculant	a	отводимая шестерня (f) ingranaggio (m) cilindrico montato su braccio di leva engranaje (m) derecho de movimiento de balanza
6			
	Auswechslung (f) der Stähle replacing *or* changing the tool remplacement (m) des outils		перемѣна (f) рѣзцовъ cambio (m) dell'utensile *o* del ferro cambio (m) de útiles
7			

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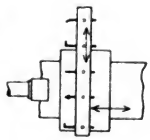
Auswechselbarkeit (f)
interchangeability (of tools)
interchangeabilité (f)

смѣняемость (f)
permutabilità (f) *1*
intercambiabilidad (m)

Stahlwechsel (m)
change of tool
changement (m) *ou* remplacement (m) d'outil

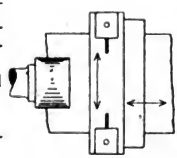
смѣна (f) *или* перемѣна (f) рѣзца
cambio (m) dell'utensile *o* del ferro *2*
cambio (m) de útil

Stahlwechsel (m) durch Verschieben in gerader Linie
change of tool by cross travel of a line of tools
changement (m) d'outil par déplacement d'une barre d'outil



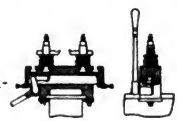
перемѣна (f) рѣзцовъ посредствомъ передвиженія ихъ по прямой
cambio (m) dell'utensile a movimento *o* spostamento rettilineo *3*
cambio (m) de útil corriendolo en línea recta

Verschieben (n) der einander gegenüber eingespannten Stichel
cross travel of back and front tool
déplacement (m) des outils se faisant vis-à-vis



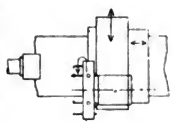
передвиженіе (n) противоположныхъ рѣзцовъ
movimento (m) *o* spostamento (m) di due utensili piazzati di fronte *4*
el cambiar de posición á los útiles

Stahlwechselschlitten (m)
multiple tool slide
chariot (m) à outils multiples



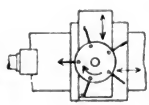
салазки (f pl) смѣнныхъ рѣзцовъ
testa (f) *o* carrello (m) a cambiamento di utensile *5*
carro (m) de cambio de útiles

Drehen (n) der trommelförmig angeordneten Stichel
revolving of cylindrical tool box
rotation (f) d'un porte-outils revolver



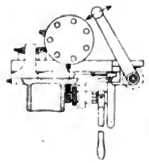
поворáчиваніе (n) рѣзцовъ, расположенныхъ по барабану
rotazione (f) del tamburo portautensili *6*
rotación (f) de los útiles dispuestos en forma de tambor

Drehen (n) der sternförmig angeordneten Stichel
revolving of the turret
rotation (f) des outils disposés en étoile



поворачиваніе (n) рѣзцовъ, расположенныхъ звѣздообразно
rotazione (f) del portautensili a stella *7*
rotación (f) de los útiles dispuestos en forma de estrella

Revolversupport (m)
revolving tool box saddle
revolver (m)



револьверный суппортъ (m)
testa (f) *o* portautensili (m) revolver *8*
soporte-revólver (m)

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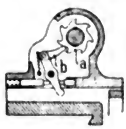


1 Drehvorrichtung (f) des Revolverkopfs
revolving mecanism of revolving tool box
commande (f) de la rotation de la tourelle-revolver

устройство (n) для поворачивания револьверной головки
dispositivo (m) per la rotazione del revolver
rueda (f) de trinquete del soporte-revólver

2 Sperrad (n)
ratchet wheel
roue (f) à rochet *ou* à cliquet

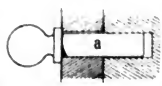
a

храповикъ (m)
ruota (f) d'arresto
rueda (f) de trinquete

3 Sperrklinke (f)
pawl
cliquet (m)

b

собачка (f)
nottolino (m) di arresto
trinquete (m)



4 Verriegelung (f) des Drehkopfs
locking the revolving tool box
blocage (m) *ou* verrouillage (m) du revolver *ou* de la tourelle

запираніе (n) револьверной головки [штифтомъ]
bloccaggio (m) della testa a revolver
fijación (f) del cabezal giratorio

5 verriegeln (v)
to lock
verrouiller (v), bloquer (v)

запирать
bloccare (v) la testa a revolver
fijar (v)

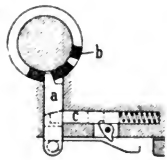
6 Pflock (m)
plug
cheville (f), fiche (f)

a

штифтъ (m); болтъ (m); палецъ (m)
spina (f)
pasador (m)

7 Schließkeil (m)
locking pin
coin (m) de verrouillage

закрѣпная чека (f)
bietta (f) di chiusura
cuña (f) de fijación



8 Riegel (m)
lock, catch
verrou (m)

запоръ (m)
catenaccio (m)
pasador (m)

a

9 Sperring (m)
locking ring
bague (f) *ou* virole (f) de verrouillage *ou* de blocage

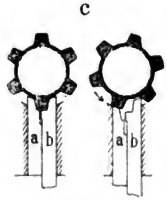
b

стопорное кольцо (n)
anello (m) di blocco con tacche
anillo (m) de fijación, anillo (m) prisionero

10 Federriegel (m)
spring catch
pêne (m) à ressort

c

пружинная задвижка (f)
catenaccio (m) a molla
pasador (m) de resorte



11 Zahnriegel (m)
toothed locking ring
verrou (m) à dents

зубчатая задвижка (f)
catenaccio (m) dentato
pasador (m) dentado

a, b

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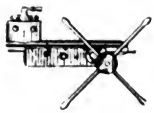
Entrieglung (f) *oder* Freigeben (n) des Drehkopfs
unlocking the tool head
déblocage(m) *ou* dégagement (m) du revolver

выдвиганіе (n) задвижки револьверной головки: освобожденіе (n) револьверной головки
disinnesto(m) della testa a revolver
libramiento (m) del cabezal giratorio

1



Drehkopf (m) mit Schlitten
capstan head slide
chariot (m) à revolver

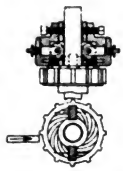
револьверная головка (f) съ салазками
revolver (m) montato su carrello
cabezal-revólver (m) con su propio carro

2

Materialvorschub (m), Werkstückvorschub (m)
forward feed of material
avancement (m) de la barre

подача (f) матеріала: подача обрабатываемаго предмета
avanzamento (m) della barra *o* del pezzo da lavorare
avance (m) del material

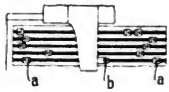
3



selbsttätige Vorschubvorrichtung (f)
automatic forward feed
dispositif (m) d'avancement (m) automatique

самодѣйствующая *или* автоматическая подача (f)
dispositivo (m) dell'avanzamento automatico
disposición (f) de avance automático

4



Anschlag (m)
stop
butée (f), taquet-toc (m)

упорный кулачокъ (m)
arresto (m), nasello (m) di arresto
tope (m)

5

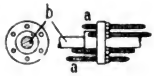
a

Gegenanschlag (m)
counter stop
contre-butée (f)

b

противоположный упорный кулачокъ (m)
contro-arresto (m), contro-nasello (m) di arresto
contra-tope (m)

6



Anschlagschraube (f)
stop screw
vis (f) de butée

упорный винтъ (m)
vite (f) dell'arresto
tornillo (m) de tope

7

a

Anschlagwelle (f)
spindle stop
arbre (m) de butée

b

упорный валикъ (m)
albero (m) *o* perno (m) del dispositivo di arresto
árbol (m) de tope

8

Anschlagbügel (m)
stirrup stop
étrier (m) de butée

упорный хомутъ (m)
arco (m) di arresto
arco (m) de tope

9

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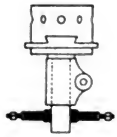
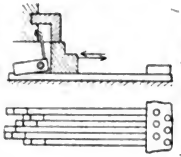
1 sternförmiger Anschlag (m)
star shaped stop
étoile (f) de butée



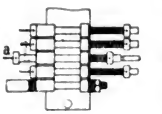
упорная звѣздчатка (f)
stella (f) degli arresti
tope (m) en forma de estrella

2 Anschlag (m) mit drehbaren Klinken
stop with throw over catch
butée (f) à cliquets



упоръ (m) съ поворотными кулачками
arresto (m) con nottolino girevole
tope (m) con trinquetes giratorios

3 selbsttätige Anschlagvorrichtung (f)
automatic stop arrangement
dispositif (m) de butées automatiques



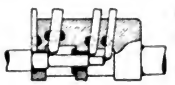
самодѣйствующее упорное устройство (n)
dispositivo (m) automatico di arresto
disposición (f) automática de topes

4 vorschiebbarer Arbeit[s]stichel (m)
adjustable cutter *or* tool
outil (m) ajustable

a

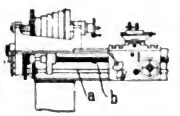
передвижной рѣзецъ (m)
utensile (m) *o* ferro (m) *o* coltello (m) spostabile
buril (m) *ó* útil (m) graduable

5 Werkzeugbüchse (f)
magazine tool holder
porte-outils (m) à magasin



втулка (f) рѣзца
portautensili (m) multiplo *od* a bussola
porta-útiles (m) para varias herramientas

6 Zugspindel (f)
feed rod *or* shaft
arbre (m) de chariotage



ходовой валикъ (m)
albero (m) di trasporto
husillo (m) *ó* barra (f) de refrentar

a

7 Leitspindel (f)
leading screw
vis-mère (f)

b

ходовой винтъ (m)
madrevite (f), vite (f) conduttrice
husillo (m) guiador roscado

8 Selbstausrückung (f) der Zugspindel
self-act disengaging gear of feed shaft
[dispositif (m) de] débrayage (m) automatique de l'arbre de chariotage

самодѣйствующее выключеніе (n) ходового валика; приспособленіе (n) для автоматической остановки ходового валика
disinnesto (m) automatico dell'albero di trasporto
desembrague (m) automático del husillo de refrentar

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längsgenutete *oder* langgenutete Zugspindel (f)
splined feed shaft
arbre (m) de chariotage à rainure

ходовой валикъ (m) съ продольной канавкой
albero (m) di trasporto con scanalatura per il lungo 1
husillo (m) de refrentar con ranura á lo largo

---

festes Außenlager (n)
fixed pillow block
lunette (f) fixe

неподвижный люнетъ (m)
sopporto (m) fisso a manicotto, lunetta (f) fissa 2
luneta (f) fija

Leitzahnstange (f)
rack for travelling the saddle
crémaillère (f)

ведущая зубчатая рейка (f)
cremagliera(f)(di tornio) 3
cremallera (f) conductora

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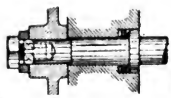
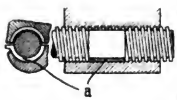
nachstellbare [Längs-] Stützung (f) der Leitspindel
longitudinally adjustable leading screw support
butée (f) réglable de la vis-mère



установочный упорный подшипникъ (m) ходового винта
regolazione (f) assiale della madrevite *o* della vite conduttrice 4
apoyo (m) longitudinal graduable del husillo guiador

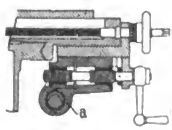
Leitspindelstütze (f)
leading screw support
coussinet (m) de la vis-mère



a

подпорка (f) ходового винта
sopporto (m) della vite madre *o* della vite conduttrice 5
apoyo (m) del husillo guiador

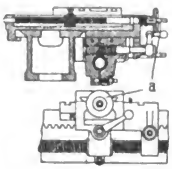
Leitspindelmutter (f), Leitspindelschloß (n)
nut for leading screw
écrou (m) de la vis-mère



a

[маточная] гайка (f) ходового винта
madrevite (f) della vite madre *o* conduttrice 6
tuerca (f) matriz del husillo guiador

Mutterschloß (n)
clasp nut
écrou (m) embrayable sur la vis-mère



[маточный] замокъ (m) ходового винта; замокъ самохода
innesto (m) della madrevite 7
mecanismo (m) de la tuerca-matriz

Querschlittenschraube (f)
cross slide screw, cross traverse *or* surfacing screw
vis (f) de chariot transversal

a

винтъ (m) поперечныхъ салазокъ
vite (f) di trasporto trasversale del carrello 8
tornillo (m) ó husillo (m) del carro transversal

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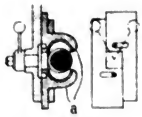
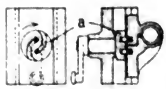
1 Mutter[schloß]hälfte (f)
half nut
demi-écrou (m)



a

половинчатая *или* раздвижная [маточная] гайка (f)
metà (f) della madrevite
mitad (f) de tuerca

2 Nutenscheibe (f), Kurvenscheibe (f)
grooved disc
disque (m) à rainures



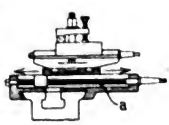
a

распредѣлительная доска (f); шайба (f) съ канавками
disco (m) scanalato
disco (m) de ranura

3 selbsttätige Ausrückvorrichtung (f) der Leitspindel
automatic disengaging gear of leading screw
[dispositif (m) de] débrayage (m) automatique de la vis-mère

самодѣйствующее выключеніе (n) ходового винта
dispositivo (m) automatico per l'innesto della vite madre *o* conduttrice
disposición (f) de disparo automático del husillo guiador

4 Planspindel (f), Quersupportspindel (f)
surfacing screw
vis (f) du chariot transversal



a

шпиндель (m) поперечнаго хода
vite (f) del carrello trasversale
husillo (m) del movimiento transversal del carro

Einspannung des Werkstücks

5 **Fixing *or* Setting up the Piece of Work**

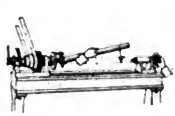
Serrage de la pièce à usiner

Закрѣпленіе предмета

Fissaggio del pezzo da lavorare

Sujeción de la pieza de labor

6 das Werkstück einspannen (v)
to put the work in the lathe
monter (v) *ou* serrer (v) la pièce à usiner



установить обрабатываемый предметъ [между центрами]
montare (v) *o* fissare (v) il pezzo da lavorare
sujetar (v) la pieza de labor

7 Losnehmen (n), Abspannen (n)
taking out the work
enlever (v) *ou* desserrer (v) [la pièce à usiner]

снятіе (n) со станка [обрабатываемаго предмета]
smontaggio (m)
el quitar la pieza de labor

8 Umspannen (n)
chucking the work, setting up the work, griping the work
remise (f) en place par serrage [de la pièce à travailler]

переставить предметъ [на центрахъ]
smontaggio (m) e montaggio (m) del pezzo
el sujetar de nuevo [la pieza de labor]

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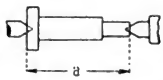
das Arbeitsstück zwischen Spitzen einspannen (v)
to place *or* hold the work between centres
monter (v) la pièce à usiner entre les pointes



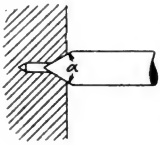
установить обрабатываемый предметъ между центрами
montare (v) *o* fissare (v) tra *o* sulle punte
sujetar (v) la pieza de labor entre puntas *1*

Werkstücklänge (f)
length of piece of work
longueur (f) de la pièce à usiner

a

длина (f) обрабатываемаго предмета
lunghezza (f) del pezzo da lavorare
longitud (f) de la pieza de labor *2*

Spitzenlagerung (f)
bearing centre, centre hole
centrage (m) de la pointe, portée (f) de la pointe, logement (m) de la pointe



установка (f) на центрахъ; опора (f) на центрахъ
alloggio (m) della punta
apoyo (m) de la punta *3*

Spitzenwinkel (m)
angle of centre
angle (m) de la pointe

α

уголъ (m) заострения центра
angolo (m) della punta
ángulo (m) de la punta *4*

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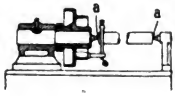
tote *oder* feste Spitze (f)
dead centre, fixed centre
pointe (f) fixe

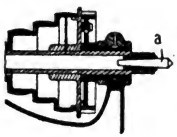


a

неподвижный центръ (m)
punta (f) fissa *o* morta
punta (f) fija *5*

---

laufende *oder* lebende Spitze (f)
running centre, live centre
pointe (f) tournante



a

вращающійся центръ (m)
punta (f) girevole
punta (f) móvil ó giratoria alrededor de su eje *6*

---

verschiebbare Spitzen (f pl)
movable centres, centres with endlong movement
pointes (f pl) déplaçables

подвижные *или* передвижные центры (m pl)
punte (f pl) spostabili assialmente
puntas (f) móviles en sentido longitudinal *7*

Spitzenweite (f), Spitzenlänge (f), Spitzenentfernung (f)
distance *or* width between centres
écartement (m) des pointes, distance (f) entre les pointes

a

разстояніе (n) между центрами
distanza (f) tra le punte
admisión (f) ó distancia (f) entre puntas *8*

Spitzenhöhe (f), Dockenhöhe (f), Stichhöhe (f)
pitch *or* height of centres
hauteur (f) des pointes

b

высота (f) центровъ
altezza (f) delle punte sul banco
altura (f) de puntas *9*

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1 Spitzenachse (f), Spitzenlinie (f)
axis of centres
axe (m) des pointes

a

ось (f) центровъ
asse (m) delle punte
eje (m) ó centro (m) de las puntas

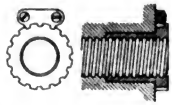
2 gegeneinander versetzte Spitzen (f pl)
centres out of line
pointes (f pl) excentrées *ou* désaxées

центры (m pl), смѣщённые *или* сдвинутые одинъ относительно другого
punte (f pl) scentrate
puntas (f pl) descentradas

3 toter Gang (m), [Spiel (n)]
back lash, [play]
jeu (m)

мёртвый ходъ (m); игра (f)
giuoco (m)
marcha (f) muerta

4 Ausgleichung (f) des toten Ganges
taking up of the back lash
rattrapage (m) du jeu



уничтоженіе (n) мёртваго хода *или* игры
ripresa (f) del giuoco
rectificación (f) de la marcha muerta

5 Mitnehmer (m), Führer (m)
driver
toc (m)

поводковый патронъ (m)
briglia (f)
tope (m) conductor

6 Mitnehmerscheibe (f)
driving plate
plateau (m) à toc

шайба (f) *или* дискъ (m) поводковаго патрона
piattaforma (f) menabriglia, menabriglia (m)
disco (m) ó plato (m) con tope conductor

7 Mitnehmerstift (m)
driving plate pin
pousse-toc (m), doigt (m) d'entrainement

a

палецъ (m) поводковаго патрона; поводокъ (m)
spina (f) del menabriglia, menabriglia (m)
pivote (m) conductor, espiga (f) conductora

8 Mitnehmerdruck (m)
driving pressure
pression (f) du toc

давленіе (n) пальца поводковаго патрона
pressione (f) del menabriglia
presión (f) del tope conductor

9 Parallelmitnehmer (m)
parallel carrier
toc (m) à étrier

параллельный поводковый патронъ (m)
menabriglia (m) parallelo
tope (m) conductor paralelo

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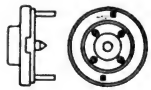
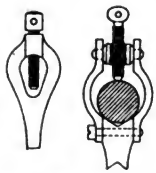
selbstausgleichender Mitnehmer (m)
„Clements" driver
toc (m) à compensation automatique



уравновѣшенный поводковый патронъ (m)
menabriglia (m) a compensazione automatica
tope (m) conductor de compensación automática

1

Drehherz (n), Drehbankherz (n), Herz (n)
carrier
toc (m) d'entraînement



хомутикъ (m)
briglia (f)
perro (m)

2

Dorn (m)
mandrel
mandrin (m)

оправка (f)
punta (f), mandrino (m)
espiga (f)

3

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fester Dorn (m)
fixed mandrel
mandrin (m) fixe

неподвижная оправка (f)
punta (f) fissa
espiga (f) fija

4

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den Dorn eintreiben (v)
to drive in the mandrel
caler (v) le mandrin, emmancher (v) le mandrin

насадить *или* посадить на оправку
far (v) entrare la punta, inserire (v) il mandrino
calar (v) la espiga

5

Dorneintreibapparat (m)
mandrel press, apparatus for driving in mandrels
appareil (m) à caler le mandrin

приспособленіе (n) *или* приборъ (m) для насадки *или* для посадки на оправку
apparecchio (m) per far entrare la punta *o* per inserire il mandrino
aparato (m) de calar espigas

6

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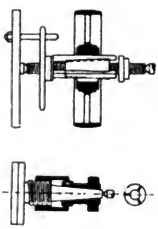
ausdehnbarer Dorn (m), Expansionsdorn (m), nachstellbarer Dorn (m)
expanding mandrel
mandrin (m) extensible



раздвижная оправка (f)
punta (f) *o* mandrino (m) estensibile *od* espansibile
espiga (f) de extensión

7

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selbstausrichtender *oder* selbstzentrierender Dorn (m)
automatic expanding mandrel
mandrin (m) à centrage automatique

самоцентрирующая оправка (f)
punta (f) *o* mandrino (m) autocentrante
espiga (f) de centrar automática

8

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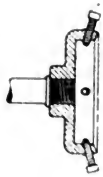
1 Futter (n), Drehbankfutter (n), Spannfutter (n)
chuck, lathe chuck
chuck (m), mandrin (m) de serrage

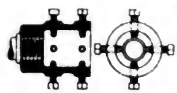


патронъ (m) токарнаго станка [для закрѣпленія обтачиваемыхъ предметовъ]
piattaforma (f) da tornio
plato (m) de sujeción para torno

2 Klemmfutter (n)
clamping chuck
chuck (m), mandrin (m) de serrage

разрѣзной патронъ (m) съ зажимнымъ кольцомъ
piattaforma (f) di fissaggio
plato (m) ó mandril (m) de garras

3 Schraubenfutter (n)
bell chuck
chuck (m) *ou* mandrin (m) à vis

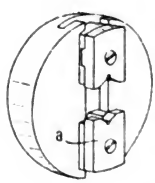


винтовой патронъ (m): чашечный патронъ
piattaforma (f) a viti, coppaia (f), testa (f) di gatto
mandril (m) de tornillos

4 Backenfutter (n)
jaw chuck
chuck (m) *ou* mandrin (m) à griffes, mandrin (m) à mâchoires *ou* à mordaches

кулачный патронъ (m): патронъ съ захватками
piattaforma (f) a griffe
mandril(m) de mordazas

5 Zweibackenfutter (n)
two jawed chuck
chuck (m) *ou* mandrin (m) à deux mâchoires *ou* mordaches



патронъ (m) съ двумя захватками *или* кулаками
piattaforma (f) a due griffe
plato (m) ó mandril (m) de dos mordazas

6 Spannbacke (f)
gripping jaw
griffe (f) de serrage, mâchoire (f) de serrage, mordache (m) de serrage

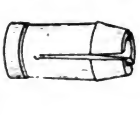
a

зажимной кулакъ (m): захватка (f)
griffa (f)
mordaza (f) de sujeción

7 selbstausrichtendes *oder* selbstzentrierendes Futter (n)
self-centreing chuck
mandrin (m) de serrage à centrage automatique, chuck (m) autocentreur

самоцентрирующій патронъ (m)
piattaforma (f) autocentrante
mandril (m) concéntrico ó de centrar automatico

8 Spannpatrone (f)
conical grip, collet, spring for grip chuck
douille (f) de serrage, pince (f) americaine



зажимный патронъ (m); гильза (f)
bussola (f) di chiusura *o* di serraggio
boquilla (f) de sujeción

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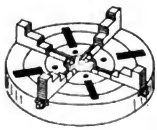
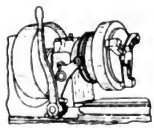
Universalfutter (n)
universal chuck
chuck (m) *ou* mandrin (m) universel



универсальный патронъ (m)
piattaforma (f) universale
mandril (m) universal

1

Patenthebelfutter (n)
patent lever chuck
chuck (m) à serrage instantané par levier



патентованный рычажный патронъ (m)
piattaforma (f) ad apertura a mezzo di leva *od* a leva patentata
mandril (m) de cierre á palanca patentado

2

[elektro]magnetisches Futter (n)
magnetic chuck
mandrin (m) [électro-]magnétique

[электро]магнитный патронъ (m)
piattaforma (f) magnetica
mandril (m) electromagnético

3

Aufspannplatte (f)
plate for fixing work
plateau (m) de fixation *ou* de serrage

шайба (f) для укрѣпленія обрабатываемаго предмета
piattaforma (f) di fissaggio
placa (f) de sujeción

4

Planscheibe (f)
face plate
plateau (m)

планшайба (f)
piattaforma (f)
plato (m) de torno

5

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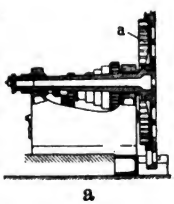
senkrechte *oder* stehende *oder* vertikale Planscheibe (f)
vertical face plate
plateau (m) vertical

вертикальная планшайба (f)
piattaforma (f) ad asse orizzontale
plato (m) vertical

6

Scheibendrehung (f) mit Zahnkranz
driving *or* revolving the face plate through rim gear wheel
rotation (f) du plateau par couronne dentée



a

вращеніе (n) планшайбы при помощи зубчатаго вѣнца *или* обода
piattaforma (f) a corona dentata
rotación (f) del plato por corona dentada

7

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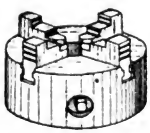
selbstausrichtende Planscheibe (f), Universalplanscheibe (f)
universal face plate
plateau (m) universel



самоцентрирующая планшайба (f); универсальная планшайба
piattaforma (f) universale
plato (m) concéntrico, plato (m) universal

8

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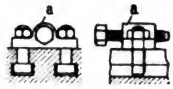
1 Aufspannloch (n)
hole *or* slot of face plate
trou (m), rainure (f) de fixation *ou* de serrage

a

отверстіе (n) для закрѣпленія обрабатываемаго предмета
scanalatura (f) *o* foro (m) di fissaggio
agujero (m) *ó* ranura (f) de sujeción

2 Spannkloben (m), Aufspannfrosch (m), Frosch (m)
dog for face plate
coussinet (m) de serrage, pompe (f) de serrage



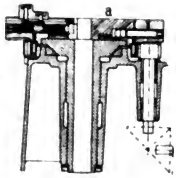
a

зажимный кулакъ (m)
morsetto (m) di fissaggio
grapa (f) de sujeción

3 elektromagnetische Befestigung (f) des Werkstücks
holding the work by electromagnetic action
fixation (f) électromagnétique de la pièce à usiner

электромагнитное укрѣпленіе (n) обрабатываемаго предмета
fissaggio (m) *o* montaggio (m) magnetico del pezzo da lavorare
sujeción (f) electromagnética de la pieza de labor

4 wagrechte *oder* liegende *oder* horizontale Planscheibe (f)
horizontal face plate
plateau (m) horizontal



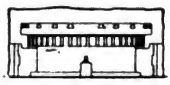
a

горизонтальная планшайба (f)
piattaforma (f) ad asse verticale
plato (m) horizontal

5 liegende Planscheibe (f) mit Kreisführung
horizontal face plate with circumferential bearing
plateau (m) horizontal à guidage circulaire

горизонтальная планшайба (f) съ круговыми направляющими
piattaforma (f) orizzontale a guida circolare
plato (m) horizontal con conducción circular

6 Drehtisch (m)
revolving table
table (f) tournante

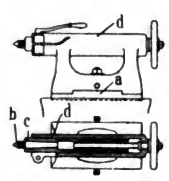


вращающійся столъ (m)
tavola (f) girevole
mesa (f) giratoria

7 Stützklotz (m)
supporting block
bloc (m) de support

подставка (f); подпорка (f); стойка (f)
blocco (m) di sostegno
taco (m) de calce *ó* de soporte

8 Reitstock (m), Reitdocke (f), fahrende Docke (f)
loose headstock, puppet *or* poppet head, tailstock, tail block, foot block
poupée (f) mobile, contre-poupée (f)



задняя бабка (f); подвижная бабка
contropunta (f), fantina (f)
contra-punta (f), cabezal (m) móvil

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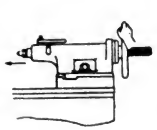
Reitstockuntersatz (m) bottom slide of tail stock *or* puppet head semelle (f) [de la contre-poupée]	a		нижняя доска (f) задней бабки suola (f) della contro-punta parte (f) inferior de la contra-punta
Reitstockspitze (f) loose head stock *or* puppet head centre, back centre pointe (f) de la contre-poupée, contre-pointe (f)	b		центръ (m) задней бабки punta (f) della fantina *o* della contropunta, contropunta (f) punta (f) de la contra-punta ó del cabezal móvil
Reitnagel (m), Pinne (f) back centre contre-pointe (f)	c		центръ (m) задней бабки fuso (m) della contro-punta contra-punta (f)
Reitnagelhülse (f), Reitstockhülse (f) back centre socket, barrel *or* sleeve of puppet head *or* tail stock douille (f) de la contre-pointe	d		втулка (f) центра задней бабки bussola (f) del fuso *o* della contropunta, manicotto (m) *o* bussola (f) della contropunta casquillo (m) de la contra-punta, casquillo (m) del cabezal móvil
Reitstock (m) mit äußerer Spindel tail stock with projecting screw spindle *or* mandrel contre-poupée (f) avec vis découverte			задняя бабка (f) съ открытымъ винтомъ contropunta (f) semplice contra-punta (f) con husillo exterior
Reitstock (m) mit innerer Spindel tail stock with internal screw spindle *or* mandrel contre-poupée (f) avec vis intérieure			задняя бабка (f) съ закрытымъ *или* съ внутреннимъ винтомъ contropunta (f) con bussola, contra-punta (f) con husillo interior
Patrone (f) mandrel, spindle douille (f) filetée	a		пустотѣлый шпиндель (m) съ нарѣзкой manicotto (m) di comando della punta boquilla (f) de la contra-punta
Reitnagelverschiebung (f) durch Handrad endlong movement of the back centre by handwheel déplacement (m) de la contre-pointe par volant à main			перемѣщеніе (n) центра задней бабки при помощи маховичка spostamento (m) della punta a mezzo di volantino a mano movimiento (m) de la contra-punta por medio de rueda á mano

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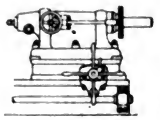
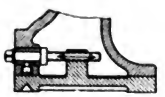
1 Reitnagelverschiebung (f) durch Mutter und Rädervorgelege
endlong movement of the back centre by means of gearing
déplacement (m) de la contre-pointe par écrou et harnais d'engrenages

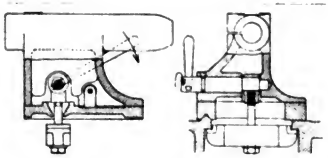


перемѣщеніе (n) центра задней бабки при помощи гайки и зубчатой передачи
spostamento (m) della punta a mezzo di volantino e ingranaggi
movimiento (m) de la contra-punta por tuerca y contramarcha de engranaje

2 Querverschiebung (f) des Reitstocks
setting out of alignment *or* centre, setting over the tail stock *or* puppet head
déplacement (m) latéral de la contre-poupée



поперечное сдвиганіе (n) задней бабки
movimento (m) trasversale della contropunta
movimiento (m) transversal de la contrapunta



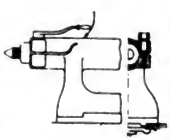
3 Festklemmung (f) des Reitstocks
clamping the tail stock *or* puppet head to the lathe bed
fixation (f) de la contre-poupée, blocage (m) de la contre-poupée

закрѣпленіе (n) задней бабки
bloccaggio (m) *o* blocco (m) della contropunta
sujeción (f) de la contrapunta

4 Exzenterklemmung (f)
eccentric clamping, clamping by eccentric
fixation (f) par excentrique

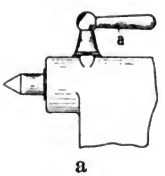
закрѣпленіе (n) при помощи эксцентрика
bloccaggio (m) *o* blocco (m) a mezzo di eccentrico
sujeción (f) excéntrica

5 den Reitnagel festklemmen (v) *oder* feststellen (v)
to clamp the back centre
bloquer (v) *ou* immobiliser (v) la contre-pointe



закрѣпить центръ задней бабки
bloccare (v) la punta della contropunta
sujetar (v) á la contrapunta (por medio de palanca prisionera)

6 Kugelgriff (m)
handle
manette (f)



ручка (f) [зажимного приспособленія]
maniglia (f)
manilla (f)

a

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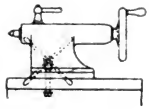
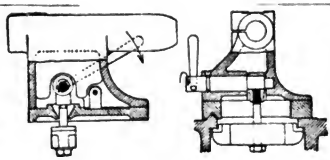
Drehkreuzreitstock (m)
tail stock *or* puppet head moved by capstan handwheel
contre-poupée (f) à croisillon



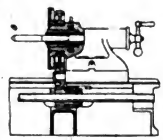
задняя бабка (f), передвигающаяся по двумъ взаимно перпендикулярнымъ направленіямъ 1
contropunta (f) a volante a croce
contra-punta (f) con manilla en cruz

Hebelreitstock (m)
puppet head operated by lever
contre-poupée (f) à levier



задняя бабка (f) съ рычагомъ
contropunta (f) a leva 2
contra-punta (f) á palanca

Reitstock (m) mit angetriebener Mitnehmerscheibe (für Wellendrehbänke)
tail stock with revolving driving plate
contre-poupée (f) avec plateau commandé *ou* tournant

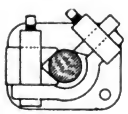


задняя бабка (f) съ вращающимся поводковымъ патрономъ
contropunta (f) con plattaforma direttamente comandata 3
contra-punta (f) con plato conductor de movimiento propio

Hilfsdocke (f)
auxiliary puppet head
poupée (f) auxiliaire

вспомогательный подшипникъ (m) бабки
contropunta (f) ausiliare 4
contra-punta (f) auxiliar

Brille (f), Lünette (f)
stay
lunette (f)



люнетъ (m)
lunetta (f) 5
luneta (f)

Setzstock (m), [fest]-stehende Brille (f)
fixed stay
lunette (f) fixe

неподвижный люнетъ (m)
lunetta (f) fissa 6
luneta (f) fija

Unterstützungsgabel (f), Unterstützungsbock (m)
fork stay
fourche (f) de soutien

поддерживающая вилка (f)
lunetta (f) a forchetta 7
horquilla (f) de soporte

Spannkopf (m)
radius head
tête (f) de serrage

a

зажимная головка (f)
testa (f) di fissaggio
cabeza (f) de sujeción

Führungsbüchse (f)
guide bush
douille (f) de guidage de la lunette

поддерживающій люнетъ (m)
bussola (f) di guida 9
caja (f) de guía en la luneta

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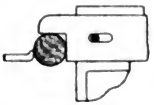
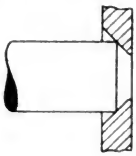
1 laufende *oder* mitgehende Brille (f)
travelling stay, follow rest
lunette (f) à suivre, lunette (f) mobile



подвижной люнеть (m)
lunetta (f) scorrevole
luneta (f) móvil ó de seguir

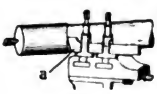
2 Hohldocke (f)
bell mouth centre plate
contre-pointe (f) fraisée



люнеть (m) съ конической дырой [для внутренней разсверловки]
contropunta (f) cava
contra-punta (f) hueca

3 **Werkzeuge** — **Инструменты**
Tools — **Utensili**
Outils — **Herramientas**

4 Drehstahl (m), Stahl (m), Drehstichel (m), Drehmeißel (m), Dreheisen (n), Drehwerkzeug (n)
lathe tool, turning tool
outil (m) à charioter, outil (m) de tour



a

рѣзецъ (m)
ferro (m) *o* coltello (m) per tornio, utensile (m)
acero (m) de tornear, acero (m), herramienta (f) de tornear

5 Stahlhärte (f)
grade *or* hardness *or* temper of the tool
dureté (f) de l'acier, dureté (f) de l'outil

твёрдость (f) рѣзца
durezza (f) dell'acciaio
dureza (f) del acero

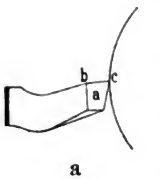
6 Schneidkraft (f)
cutting power
capacité (f) *ou* force (f) de coupe

рѣжущее усилие (n); стойкость (f) рѣжущей кромки
potere (m) *o* capacità (f) di taglio
fuerza (f) constante de corte

7 Schneidwirkung (f)
cutting action
cisaillement (m)

рѣжущее дѣйствіе (n)
effetto (m) di taglio
acción (f) ó eficacia (f) de corte

8 Schneide (f), Stahlschneide (f)
cutting point
taillant (m) *ou* tranchant (m) de l'outil



a

лезвіё (n)
unghia (f) dell'utensile
filo (m) ó corte (m) del acero

9 Schneidkante (f), Schneidlinie (f)
cutting edge
arête (f) tranchante *ou* tranchant (m) d'un outil, fil (m)

b c

рѣжущая кромка (f)
tagliente (m) (dell'utensile)
canto (m) ó linea (f) de corte

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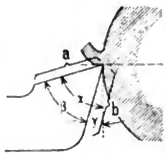

a

Schneidbrust (f), Werkzeugbrust (f) face of tool poitrail (m) d'outil		передняя грань (f) рѣзца faccia (f) dell'utensile frente (m) del corte del útil	1
Schneidrücken (m) back edge face (f) dorsale du tranchant	b	задняя грань (f) рѣзца dorso (m) dell'utensile dorso (m) del corte	2
Hauptschneide (f) main cutting edge tranchant (m) principal		главная рѣжущая кромка (f) tagliente (m) principale corte (m) principal	3
Schneidwinkel (m) cutting angle angle (m) de coupe	α	уголъ (m) рѣзанія angolo (m) di taglio ángulo (m) de incidencia	4
Brustwinkel (m), Keilwinkel (m) front rake taillant (m), angle (m) d'affûtage	β	уголъ (m) [заострения] рѣзца angolo (m) dell'unghia *o* dell'affilatura angulo (m) de corte	5
Ansatzwinkel (m), Anstell[ungs]winkel (m) clearance angle angle (m) d'attaque *ou* de dépouille	γ	задній уголъ (m) angolo (m) di piazzamento dell'utensile ángulo (m) de ataque	6
schräg gestellte Schneide (f) oblique *or* side cutting edge tranchant (m) oblique		наклонно установленный рѣзецъ (m) tagliente (m) obliquo corte (m) inclinado	7
der Stahl wird stumpf the tool becomes dull *or* blunt l'outil s'émousse		рѣзецъ (m) тупится l'utensile si ottunde el acero se desafila	8
abgenutzte *oder* stumpf gewordene Schneide (f) worn out *or* blunt cutting edge tranchant (m) émoussé		затупившійся рѣзецъ (m); сработавшійся рѣзецъ tagliente (m) ottuso corte (m) desgastado	9

a

Schärfung (f) des Stahls grinding *or* sharpening the tool affûtage (m) de l'outil		затачиваніе (n) рѣзца affilatura (f) dell'utensile el afilar el útil	10
Arbeitshitze (f) heat generated by cutting action échauffement (m) de travail *ou* produit par le travail		нагрѣвъ (m) во время работы; нагрѣвъ при работѣ riscaldamento (m) dovuto al lavoro calentamiento (m) por le trabajo	11

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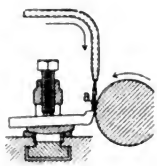
1
Stichelerwärmung (f)
heating of the tool
échauffement (m) de l'outil
нагрѣваніе (n) рѣзца
riscaldamento (m) dell'utensile
calentamiento (m) del útil

2
Wärmeabfuhr (f)
reduction of the heat
enlèvement (m) de la chaleur
отведеніе (n) тепла
sottrazione (f) di calore
descarga (f) de calor

3
Kühlung (f) des Stichels
cooling the tool
rafraichissement (m) *ou* refroidissement (m) de l'outil



охлажденіе (n) рѣзца
raffreddamento (m) dell'utensile
refrigeramiento (m) del útil

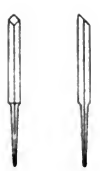
4
Kühlwasser (n)
cooling water
eau (f) de rafraichissement *ou* de refroidissement
a
охлаждающая вода (f): вода для охлажденія
acqua (f) di raffreddamento
agua (f) de refrigerar

5
Seifenwasser (n)
soapy water
eau (f) de savon
мыльная вода (f)
acqua (f) saponata
agua (f) de jabón

6
Terpentinöl (n)
turpentine
huile (f) de térébenthine
скипидаръ (m) [терпентинъ (m)]
trementina (f)
aceite (m) de trementina

7
Schnell[dreh]stahl (m), Schnellaufstahl (m), Rapidstahl (m)
high speed turning tool
acier (m) [à tourner] rapide, acier (m) à grande vitesse
быстрорѣжущая сталь (f)
utensile (m) rapido in acciaio
acero (m) rápido

8
Handstahl (m)
hand tool
outil (m) à main



рѣзецъ (m) для обточки отъ руки; ручной токарный рѣзецъ
utensile (m) a mano
acero (*o* útil) á mano

9
Supportstahl (m)
tool for slide rest
outil (m) pour support
рѣзецъ (m) для обточки на суппортѣ
utensile (m) per sopporto
útil (m) para el soporte

10
Abdrehstahl (m)
turning tool
outil (m) de tourneur

токарный рѣзецъ (m)
utensile (m) per tornire
acero (m) de tornear

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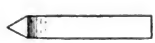
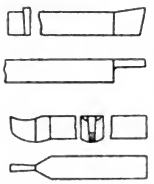
Spitzstahl (m)
pointed tool
outil (m) pointu



остроконечный рѣзецъ (m)
utensile (m) a punta
útil (m) puntiagudo
1

Einstechstahl (m), Einstichstahl (m), Abstechstahl (m)
cutting off *or* parting tool
outil (m) droit à saigner, outil (m) droit à tronçonner



отрѣзной рѣзецъ (m); подрѣзной рѣзецъ
utensile (m) per tagliare *o* troncare
acero (m) de tronzar
2

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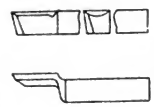
rechter Messerstahl (m), rechtes Seitenmesser (n)
right hand (side) tool
outil (m) à droite, outil (m) à saigner à droite



правый рѣзецъ (m)
utensile (m) per sfacciare a destra
útil (n) de corte á derecha
3

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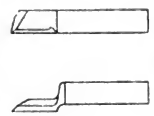
linker Messerstahl (m), linkes Seitenmesser (n)
left hand (side) tool
outil (m) à gauche, outil (m) à saigner à gauche



лѣвый рѣзецъ (m)
utensile (m) per sfacciare a sinistra
útil (m) de corte á izquierda
4

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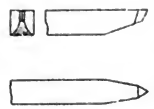
gerader Messingdrehstahl (m)
straight tool for brass
outil (m) droit pour pièces en laiton

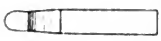


прямой рѣзецъ (m) для обточки латуни
utensile (m) diritto per bronzo
útil (m) derecho para metal
5

Grabstichel (m)
graver, graving *or* ploughing tool
outil (m) à défoncer

граббштихель (m); граббштихъ (m)
bulino (m), utensile (m) per sfondare
buril (m)
6

Rundstahl (m), abgerundeter Stahl (m)
round nosed tool
outil (m) arrondi



закруглённый рѣзецъ (m)
utensile (m) a tagliente rotondo
útil (m) de corte redondo
7

Schruppstahl (m), Schroppstahl (m), Schrotstahl (m)
roughing tool
outil (m) à dégrossir

черновой рѣзецъ (m); проходной рѣзецъ
utensile (m) per sgrossare *o* sbozzare
útil (m) de desbastar
8

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1 Schruppstahl (m) mit gerader Schneide
straight faced roughing tool with
outil (m) droit à dé grossir

черновой рѣзецъ (m) съ прямымъ лезвіёмъ; проходной рѣзецъ съ прямой рѣжущей кромкой
utensile (m) diritto per sgrossare *o* per sbozzare
útil (m) de desbastar con corte derecho

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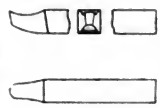
2 Schruppstahl (m) mit runder Schneide
round faced roughing tool
outil (m) à dégrossir à tranchant arrondi



черновой рѣзецъ (m) съ закруглённымъ лезвіёмъ; проходной рѣзецъ съ закруглённой рѣжущей кромкой
utensile (m) tondo per sgrossare *o* per sbozzare
útil (m) de desbastar con corte redondo

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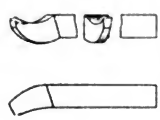
3 linksgehender Schruppstahl (m)
left hand *or* down bent roughing tool
outil (m) dégrossisseur à gauche



лѣвый черновой *или* проходной рѣзецъ (m)
utensile (m) sinistro per sgrossare
útil (m) de desbastar de marcha á izquierda

---

4 Schlichtstahl (m)
flat finishing tool
outil (m) finisseur

чистовой *или* отдѣлочный рѣзецъ (m); шпажка (f)
utensile (m) per rifinire
útil (m) de terminar (alisar)

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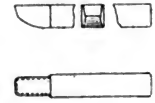
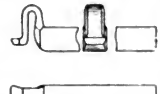
5 flacher *oder* breiter Schlichtstahl (m)
broad nosed finishing tool
outil (m) finisseur plat



плоскій чистовой рѣзецъ (m); широкій отдѣлочный рѣзецъ
utensile (m) piatto per rifinire
útil (m) de terminar con corte plano

---

6 federnder Schlichtstahl (m), Gänsehals (m), Federstahl (m)
goose neck, spring tool
outil (m) finisseur formant ressort



пружинящій чистовой *или* пружинный отдѣлочный рѣзецъ (m)
utensile (m) ripiegato per rifinire
útil (m) de terminar de efecto de resorte

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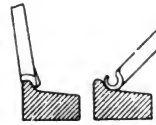
7 Formstichel (m), Formstahl (m), Fassonstahl (m)
forming tool
outil (m) à profiler *ou* à façonner



фасонный рѣзецъ (m)
utensile (m) per sagomare
útil (m) de perfilar, buril (m) de perfilar

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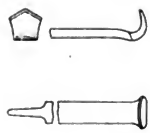
Hakenstahl (m), Drehhaken (m)
hook tool
outil (m) à crochet

токарный крючокъ (m)
utensile (m) a becco
acero (m) en forma de gancho
1

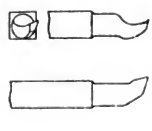


Spitzhaken (m)
pointed hook tool
plane (f) à crochet

проходной токарный крючокъ (m) съ острой рѣжущей кромкой
utensile (m) a becco appuntito
acero (m) de gancho puntiagudo
2

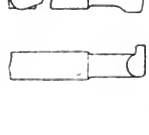
Schlichthaken (m)
finishing hook tool
plane (f) à finir

чистовой *или* отдѣлочный токарный крючокъ (m)
utensile (m) a becco per rifinire
acero (m) para terminar
3



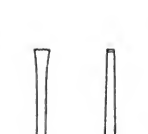
Ausdrehstahl (m), Bohrstahl (m)
boring tool
outil (m) à aléser

рѣзецъ (m) для расточки отверстій
utensile (m) per tornire internamente *o* degl'interni
acero (m) de tornear interior
4



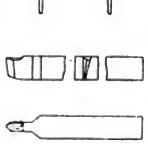
Winkeleindrehstahl (m)
inside turning *or* recessing tool
outil (m) à chambrer d'équerre

рѣзецъ (m) крючкомъ для расточки угловыхъ отверстій
utensile (m) a becco per tornire internamente
acero (m) de tornear en ángulo
5



Halbmondstahl (m)
segment *or* radius tool
outil (m) en croissant

боковой полукруглый токарный (m) рѣзецъ
utensile (m) a mezza luna
acero (m) en forma de media luna
6



Gewindestahl (m), Gewindestrehler (m)
chaser, chasing tool
peigne (m) à fileter

гребёнка (f); рѣзьбовой рѣзецъ (m)
utensile (m) *o* pettine (m) per filettare
acero (m) de roscar, peine (m) de filetear
7

Außengewindestahl (m), Gewindestahl (m) für Außengewinde
male *or* outside screw cutting tool
outil (m) à fileter extérieurement

рѣзецъ (m) для нарѣзки винтовъ
utensile (m) per filettare bulloni
acero (m) de roscar *o* filetear exteriormente
8

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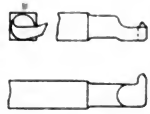
1 Innengewindestahl (m), Gewindestahl (m) für Innengewinde
female *or* inside screw cutting tool
outil (m) à fileter intérieurement, outil (m) à tarauder



рѣзецъ (m) для нарѣзки внутренней рѣзьбы; рѣзецъ для нарѣзки гаекъ
utensile (m) per filettare madreviti
acero (m) de filetear ó roscar interiormente

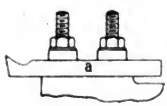
---

2 Einzelstichel (m)
single tool
outil (m) indépendant

одиночный рѣзецъ (m)
utensile (m) singolo
útil (m) á buril independiente

---

3 Befestigung (f) des Werkzeugs
clamping the tool
fixation (f) de l'outil



укрѣпленіе (n) рѣзца
fissaggio (m) *o* montaggio (m) dell'utensile
sujeción (f) del útil

---

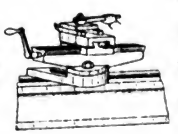
4 Stichelschaft (m), Stichelstiel (m)
shank of tool
corps (m) de l'outil, manche (m) de l'outil

a

стержень (m) рѣзца
gambo (m) *o* stelo (m) dell'utensile
cuerpo (m) ó mango (m) del útil

---

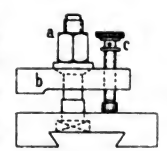
5 den Stahl einspannen (v) *oder* festspannen (v)
to clamp the tool tightly
fixer (v) *ou* serrer (v) l'outil



зажать *или* укрѣпить рѣзецъ
fissare (v) *o* montare (v) l'utensile
sujetar (v) el acero

---

6 Stahlhalter (m), Stichelhalter (m), Meißelhalter (m), Werkzeughalter (m), Werkzeugträger (m)
tool rest *or* support *or* holder, slide rest
porte-outil (m), portelame (m)



зажимъ (m) для рѣзца; рѣзподержатель (m)
portautensile (m)
porta-útil (m)

---

7 Druckschraube (f)
clamping bolt
vis (f) de serrage

a

нажимной винтъ (m)
vite (f) di pressione
tornillo (m) de presión á prisionero

---

8 Klemmplatte (f)
clamping plate
plaque (f) de serrage

b

нажимная доска (f)
piastra (f) di fissaggio
placa (f) de presión

---

9 Stellschraube (f)
adjusting screw
vis (f) de réglage

c

установочный винтъ (m)
vite (f) di regolazione
tornillo (m) de graduación

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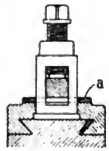
Stichelhaus (n)
tool post, post tool holder, tool box
porte-outils (m) à logement



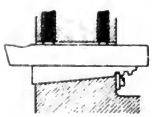
[суппортный] зажимъ (m) для рѣзца
portautensili (m) americano 1
porta-útil (m) cerrado

Unterlegring (m)
washer, packing ring
bague (f) d'assise

a

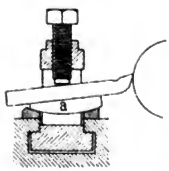
подкладочное кольцо (n)
anello (m) d'appoggio e di spessore 2
anillo (m) de asiento

Keilstützung (f) des Stichels
packing up of the tool with a wedge
calage (m) de l'outil par coin



укрѣпленіе (n) рѣзца при помощи клина
messa (f) a punto dell'utensile a mezzo di chiavetta 3
asiento (m) de cuña cónico del útil

drehbares Stichelhaus (n)
swivelling tool post
porte-outils (m) pivotant



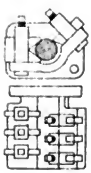
поворотный рѣзцодержатель (m); поворотный зажимъ (m) для рѣзца 4
portautensili (m) girevole americano
porta-útil (m) giratorio

Meißelteller (m)
tool packing piece
cale (f) de réglage de l'outil

a

подкладка (f)
piastra (f) o disco (m) dell'utensile 5
calce (m) del útil

Stichelbüchse (f), Werkzeugbüchse (f)
tool box, tool holder
porte-outils (m) à lunette

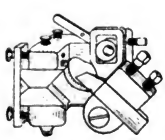


головка (f) для зажима рѣзцовъ
portautensili (m) con lunetta per cilindrare 6
caja (f) de sujeción de la herramienta

Werkzeugbüchse (f) für Abstechstichel
tool holder for cutting off tool
porte-outils (m) à lunette pour outils à tronçonner

головка (f) для зажима отрѣзныхъ рѣзцовъ
portautensili (m) per troncare 7
caja (f) de sujeción para buriles de tronzar

Werkzeugbüchse (f) mit drehbarem Stichelhalter
tool box with swivel tool holder
montage (m) à lunette porte-outils tournant



головка (f) съ поворотнымъ зажимомъ для рѣзцовъ
portautensili (m) con utensile girevole 8
caja (f) de sujeción de la herramienta con porta-útil giratorio

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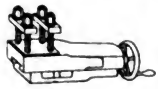
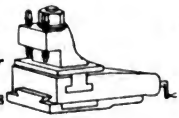
deutsches Stichelhaus (n)
1 German type of tool *or* slide rest
porte-outils (m) allemand



нѣмецкій зажимъ (m) для рѣзцовъ
portautensili (m) tedesco
porta-útil (m) alemán

englisches Stichelhaus (n)
2 English type of tool *or* slide rest
porte-outils (m) anglais



англійскій зажимъ (m) для рѣзцовъ
portautensili (m) inglese
porta-útil (m) inglés

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III.

Bohrmaschinen
Drilling and Boring Machines
Machines à percer

Сверлильные станки
Trapani
Taladradoras

Typen und Gestelle
Types and Frames
Types et bâtis

Типы и станины
Tipi ed incastellature 1
Tipos y bastidores

Bohrmaschine (f)
boring machine, drilling machine
machine (f) à percer *ou* à aléser, foreuse (f), perceuse (f), machine (f) à forer, forerie (f)

сверлильный станокъ (m)
trapano (m) 2
taladradora (f), máquina (f) de taladrar

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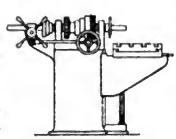
liegende Bohrmaschine (f), Horizontalbohrmaschine (f), Ausbohrmaschine (f)
horizontal boring machine
machine (f) à percer horizontale, machine (f) à aléser horizontale



горизонтально-сверлильный станокъ (m); горизонтальный сверлильный станокъ 3
trapano (m) orizzontale
taladradora (f) horizontal, barrenadora (f) horizontal

---

liegende Bohrmaschine (f) mit fester Spindellagerung, (Bohr-, Dreh-, und Fräsmaschine (f))
horizontal boring machine with fixed bearings for boring spindle
machine (f) à aléser horizontale avec porte-broche fixe

горизонтальный сверлильный станокъ (m) съ неперемѣщающейся *или* съ не подвижной шпиндельной бабкой; горизонтальный сверлильный и фрезерный станокъ 4
trapano (m) orizzontale a testa fissa
barrenadora (f) horizontal con cabezal portahusillo fijo

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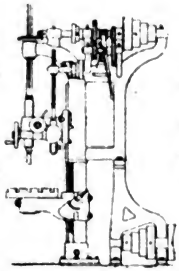
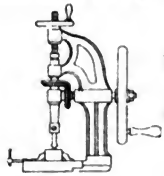


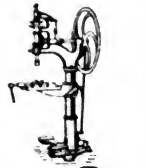
1 stehende Bohrmaschine (f), Vertikalbohrmaschine (f)
vertical drilling] machine
machine (f) à percer *ou* à forer verticale

вертикальный сверлильный станокъ (m)
trapano (m) verticale a colonna
taladradora (f) vertical de columna



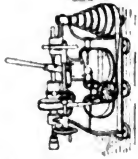
2 Handbohrmaschine (f)
hand drilling machine
machine (f) à percer à main

ручной сверлильный станокъ (m)
trapano (m) a mano
taladradora (f) a mano



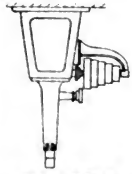
3 Bohrmaschine (f) mit Antrieb durch Fußtrittthebel
drilling machine with drive by foot lever
machine (f) à percer a commande par pédale

сверлильный станокъ (m) съ ножнымъ приводомъ *или* съ педалью
trapano (m) a comando per pedale
máquina (f) de taladrar de impulsión por pedal



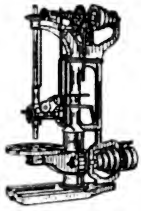
4 Wandbohrmaschine (f)
wall drilling machine
machine (f) à percer *ou* à forer murale

настѣнный *или* стѣнной сверлильный станокъ (m)
trapano (m) murale
taladradora (f) mural



5 Deckenbohrmaschine (f)
drilling machine fixed to underside of floor, ceiling drilling machine
machine (f) à percer de plafond

подвѣсный [къ потолку] *или* потолочный сверлильный станокъ (m)
trapano (m) da soffitto *o* pendente
taladradora (f) de techo



6 freistehende Bohrmaschine (f)
self-contained vertical drilling machine
machine (f) à percer indépendante

свободно-стоящій сверлильный станокъ (m)
trapano(m)ad incastellatura indipendente
taladradora (f) de columna independiente

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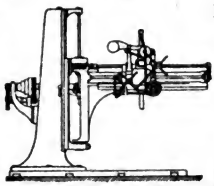
Säulenbohrmaschine (f)
pillar drilling machine
machine (f) à percer à colonne

сверлильный станокъ (m) на колоннѣ
trapano (m) a colonna verticale
taladradora (f) de columna

1

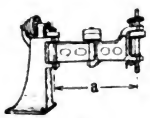
Auslegerbohrmaschine (f), Radialbohrmaschine (f), Kranbohrmaschine (f), Flügelbohrmaschine (f)
radial drilling machine
machine (f) à percer radiale



радіальный сверлильный станокъ (m); радіально-сверлильный станокъ (m); радіально-сверлильный станокъ (m) на колоннѣ *или* на стойкѣ
trapano (m) radiale
taladradora (f) radial

2

Ausladung (f) der Radialbohrmaschine
depth of throat, maximum radius of spindle
portée (f) de la machine à percer radiale

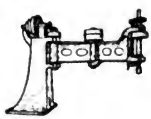


a

вылетъ (m) радіально-сверлильнаго станка
massimo raggio (m) ammissibile
alcance (m) de la taladradora radial

3

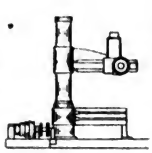
Bohrmaschine (f) mit gelenkigem Ausleger
drilling machine with pivoted *or* jointed arm
machine (f) à percer radiale à bras articulé



сверлильный станокъ (m) съ колѣнчатымъ рукавомъ *или* колѣнчатой поперечиной; шарнирный сверлильный станокъ
trapano (m) radiale a braccio snodato
taladradora (m) de brazo articulado

4

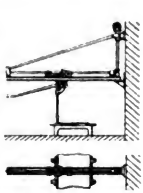
Kranbohrmaschine (f) mit rundem Säulenständer
radial drilling machine with arm mounted on cylindrical column
machine (f) à percer radiale à colonne cylindrique



радіально-сверлильный станокъ (m) съ круглой колонной
trapano (m) radiale a colonna
taladradora (f) radial de columna cilíndrica

5

Drehkranbohrmaschine (f), am Drehkran verschiebbare Bohrmaschine (f)
drilling machine mounted on swinging jib
machine (f) à percer radiale à potence *ou* montée en grue pivotante



сверлильный станокъ (m), установленный на поворотномъ стѣномъ; кранѣ стѣнной поворотный сверлильный станокъ
trapano (m) radiale murale [a carrello], trapano (m) radiale montato su mensola girevole
taladradora (f) radial mural *ó* colocada en grúa mural giratoria

6

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fahrbare Deckenbohrmaschine (f), fahrbare Hängebohrmaschine (f)
1 overhead travelling drilling machine
perceuse (f) suspendue mobile

передвижной висячий сверлильный станокъ (m); передвижной потолочный *или* подвѣсный сверлильный станокъ
trapano (m) da soffitto trasportabile
taladradora (f) de suspensión móvil

Schnellbohrmaschine (f)
high speed drilling
2 machine
machine (f) à percer rapide

быстроходный сверлильный станокъ (m)
trapano (m) sensitivo rapido
taladradora (f) rápida

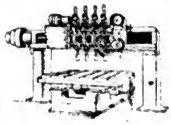
Universalbohrmaschine (f)
3 universal boring machine
machine (f) à percer universelle

универсальный сверлильный станокъ (m)
trapano (m) universale
taladradora (f) universal

selbsttätige *oder* automatische Bohrmaschine (f)
automatic *or* self-acting
4 boring machine, self-acting drilling machine
perceuse (f) *ou* machine (f) à percer automatique

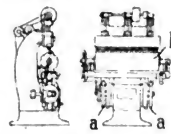
автоматическій сверлильный станокъ (m); сверлильный станокъ съ самоходомъ; самоходный сверлильный станокъ
trapano (m) automatico
taladradora (m) automática

mehrspindlige *oder* mehrfache Bohrmaschine (f)
multiple spindle drilling
5 machine
machine (f) à percer *ou* perceuse (f) à forets multiples, machine (f) à percer multiple



многошпиндельный сверлильный станокъ (m)
trapano (m) multiplo
taladradora (f) de varios husillos, taladradora (f) múltiple

Daumenscheibe (f)
cam
6 plateau (m) *ou* disque (m) à doigts d'entraînement



кулачный дискъ (m)
camma (f) a disco, disco (m) delle camme
disco (m) á levas

a

Walze (f), Trommel (f)
7 cylinder, drum, roll, roller
cylindre (m), tambour (m)

b

цилиндръ (m); барабанъ (m)
tamburo (m)
cilindro (m), tambor (m)

Spindelreihe (f)
series *or* set of spindles
8 ligne (f) *ou* série (f) de broches

рядъ (m) шпинделей
fila (f) di mandrini
serie (f) de husillos

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Lochreihe (f)
series of holes
ligne (f) *ou* série (f) de trous

рядъ (m) отверстій; рядъ дыръ
fila (f) di fori
serie (f) de agujeros
1

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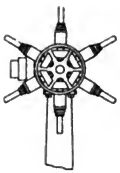
mehrspindlige Bohrmaschine (f) mit Stahlwechsel
multiple spindle drilling machine with capstan head, turret head boring machine
machine (f) à percer revolver

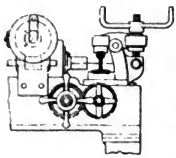


многошпиндельный сверлильный станокъ (m) съ револьверной головкой
trapano (m) revolver
taladradora (f) múltiple con cambio de herramienta
2

Bohrmaschine (f) zum Ausbohren der rechtwinklig zu einander stehenden Kurbelzapfenlöcher
quartering machine
machine (f) à percer les logements de boutons de manivelles placées à 90°

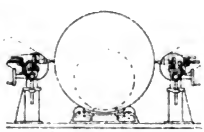
спеціальный [сверлильный] станокъ (m) для сверленія дыръ подъ прямымъ угломъ для кривошипныхъ пальцевъ [въ ведущихъ колёсахъ паровозовъ]
trapano (m) per forare i sopporti del perno della manovella colocati a 90°
máquina (f) para taladrar los agujeros para botones de manivelas á 90°
3

Schienenbohrmaschine (f)
machine for drilling rails, rail drilling machine
machine (f) à percer les rails



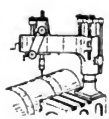
[сверлильный] станокъ (m) для сверленія дыръ въ рельсахъ
trapano (m) per rotaie
máquina (f) especial para taladrar carriles
4

Nietlochbohrmaschine (f)
machine for drilling rivet holes, boiler shell drilling machine
machine (f) a percer les trous de rivets, perceuse (f) de trous de rivets



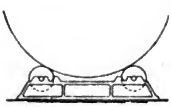
[сверлильный] станокъ (m) для сверленія заклёпочныхъ отверстій [въ барабанахъ котловъ]
trapano (m) per fori da chiodature
taladradora (f) para perforar los agujeros para remaches
5

Kesselbohrmaschine (f)
boiler drilling machine
machine (f) a percer pour chaudières



сверлильный станокъ (m) для котельныхъ работъ
trapano (m) per caldaie
taladradora (f) especial para calderería
6

Rollenbahn (f)
rolling path *or* bearing
chemin (m) de roulement sur galets



станина (f) съ роликами для установки предмета (котла)
piano (m) di sostegno con rulli
camino (m) de rodar sobre rodillos
7

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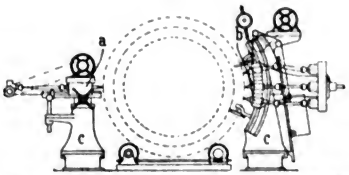
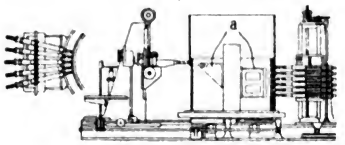


1	Bohrmaschine (f) für Längsnähte drilling machine (multiple spindle) for longitudinal seams machine (f) multiple à percer les coutures de rivetage longitudinales	a	[сверлильный] станокъ (m) для сверленія дыръ продольныхъ котельныхъ швовъ trapano (m) per chiodature longitudinali taladradora (f) para uniones longitudinales de remaches
2	Bohrmaschine (f) für Quernähte drilling machine (multiple spindle) for circumferential seams machine (f) multiple à percer les coutures de rivetage transversales	b	[сверлильный] станокъ (m) для сверленія дыръ поперечныхъ котельныхъ швовъ trapano (m) per chiodature trasversali taladradora (f) para uniones transversales de remaches
3	verschiebbarer Ständer (m) traversing column, traversing standard montant (m) à déplacement	c	передвижная колонка (f) или стойка (f) montante (m) spostabile bastidor (m) o columna (f) móvil en sentido horizontal
4	Merkstift (m) pointer index (m)		указатель (m); индексъ (m) bulino (m), punteruolo (m) índice (m)



5	Kesselmantelbohrmaschine (f) boiler shell drilling machine machine (f) à percer les corps de chaudières		[сверлильный] станокъ (m) для сверленія дыръ въ барабанахъ котловъ trapano (m) per caldaie o per lamieroni di caldaia máquina (f) especial para taladrar cubiertas de calderas
6	Gegenhalter (m) holder-up, dolly device tas (m)	a	поддержка (f) contrasto (m), contraforte (m) sostenedor (m), sufridera (f)

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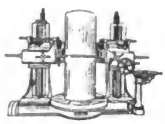
versetzbare *oder* transportable elektromagnetische Bohrmaschine (f)
portable electrical drilling machine
machine (f) à percer électrique portative

переносный электромагнитный сверлильный станокъ (m)
trapano (m) trasportabile elettromagnetico
taladradora (f) eléctromagnética transportable *ó* portátil

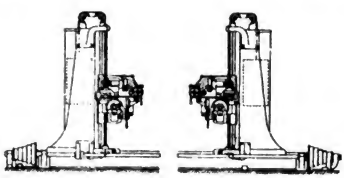
1

Nietlochbohrmaschine (f) für Flammrohrflanschen
drilling machine for rivet holes in boiler tube flanges
machine (f) à percer les brides des tubes de foyers



[сверлильный] станокъ (m) для сверленія заклёпочныхъ отверстій во фланцахъ жаровыхъ трубъ
trapano (m) per le flangie dei tubi da focolare
máquina (f) especial para taladrar los agujeros en las bridas de tubos de calderas

2



doppelte Bohr- und Fräsmaschine (f)
duplicate combined boring and milling machine
machine (f) à percer [*ou* aléser] et à fraiser double

двойной сверлильно-фрезерный станокъ (m)
trapano (m) doppio combinato con fresatrice, trapano-fresatrice (m)
máquina (f) doble de perforar y fresar

3

Gewehrlaufbohrmaschine (f), Flintenbohrmaschine (f)
boring machine for small arms
machine (f) à percer les canons de fusils

станокъ (m) для высверливанія ружейныхъ стволовъ
trapano (m) per canne da fucile
taladradora (f) para barrenar los cañones de escopetas

4

Geschützrohrbohrmaschine(f), Kanonenrohrbohrmaschine (f)
gun boring machine
machine (f) à forer les canons

станокъ (m) для высверливанія орудій; пушечный сверлильный станокъ
alesatrice (f) *o* trapano (m) per cannoni, barenatrice (f) per masselli da cannone
barrenadora (f) de cañones

5

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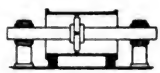
Zylinderbohrmaschine (f)
1 cylinder boring machine
machine (f) à aléser les cylindres



цилиндро-сверлильный станокъ (m); станокъ (m) для разсверливанія цилиндровъ
alesatrice (f) *o* barenatrice (f) per cilindri
máquina (f) de barrenar cilindros

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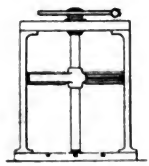
stehende Ausbohrmaschine (f)
2 vertical boring machine
machine (f) à aléser verticale



вертикальный цилиндро-сверлильный станокъ (m)
alesatrice (f) *o* barenatrice (f) verticale
máquina (f) de alisar vertical

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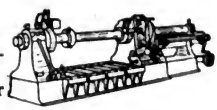
liegende Ausbohrmaschine (f)
3 horizontal boring machine
machine (f) à aléser horizontale



горизонтальный цилиндро-сверлильный станокъ (m)
alesatrice (f) *o* barenatrice (f) orizzontale
máquina (f) de alisar horizontal

Ausbohrmaschine (f) mit senkrecht verschiebbarem Spindelkasten und wag[e]recht verschiebbarem Ständer
boring machine with vertical adjustment
4 of head stock and horizontal traverse of column
machine (f) à aléser avec poupée déplaçable verticalement et montant à déplacement horizontal

цилиндро-сверлильный станокъ (m) съ вертикально перемѣщающейся шпиндельной бабкой и съ подвижной въ горизонтальномъ направленіи стойкой
alesatrice (f) *o* barenatrice (f) con testa mobile verticalmente e montante mobile orizzontalmente
máquina (f) de alisar con cabezal de husillo de movimiento vertical y bastidor de movimiento horizontal

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Ausbohrmaschine (f) mit senkrecht verschiebbarem Spindelkasten und festem Ständer
boring machine with vertical adjustment
5 of head stock and with fixed column
machine (f) à aléser avec poupée déplaçable verticalement et montant fixe

цилиндро-сверлильный станокъ (m) съ вертикально перемѣщающейся шпиндельной бабкой и съ неподвижной стойкой
alesatrice (f) *o* barenatrice (f) con testa mobile verticalmente e montante fisso
máquina (f) de alisar con cabezal de husillo de movimiento vertical y bastidor fijo

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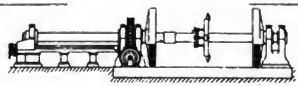
tragbare Ausbohrmaschine (f)
portable boring machine
machine (f) à aléser transportable, alésoir (m) portatif

переносный цилиндро-сверлильный станокъ (m)
alesatrice (f) *o* barenatrice (f) portatile 1
máquina (f) portátil de alisar



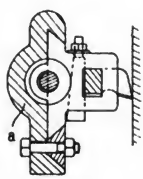
Schwärmer (m) (Maschine)
boring machine with flying cutter
machine (f) à porte-outil tournant *ou* pivotant [alésoir]

цилиндро-сверлильный станокъ (m) съ вращающимся суппортомъ
macchina (f) per sfacciare *o* tornire in piano 2
máquina (f) con porta-útil basculante

fliegender Stirnsupport (m), Schwärmer (m)
facing arm, flying cutter support (m) volant, porte-outil (m) pivotant

вращающійся суппортъ (m) для обточки фланцевъ [на цилиндро-сверлильныхъ и подобныхъ станкахъ] 3
portautensile(m)per sfacciare *o* tornire in piano
porta-útil (m) basculante

Schwärmerarm (m)
arm of flying cutter
bras (m) de porte-outil [tournant], bras (m) de support à dresser les brides



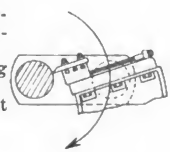
a

плечо (n) суппорта для обточки фланцевъ [на цилиндро-сверлильныхъ и подобныхъ станкахъ] 4
braccio (m) del portautensile per sfacciare
brazo (m) del porta-útil basculante

Schwärmer (m) mit geteilter Nabe
facing arm with split boss
porte-outil (m) tournant à moyeu en deux pièces

вращающійся суппортъ (m) для обточки фланцевъ [на цилиндро-сверлильныхъ и подобныхъ станкахъ] съ разрѣзной втулкой (ступицей) 5
portautensile (m) per sfacciare con mozzo spaccato
porta-útil (m) giratorio de brida partida

Schwärmer (m) zum Bearbeiten der Kurbelkröpfungen
facing arm for milling a crank pin
porte-outil (m) tournant pour manivelles d'arbres coudés



вращающійся суппортъ (m) для обточки шеекъ колѣнчатыхъ валовъ
portautensile (m) per sfacciare i piani dei gomiti (degli alberi a gomito) 6
porta-útil (m) giratorio para los codos de los árboles de manivela

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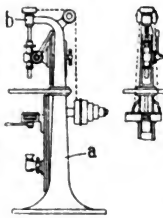
1 Preßluftbohrmaschine (f)
pneumatic drilling *or* boring machine
foreuse (f) pneumatique, perceuse (f) à air comprimé

пневматическая сверлильная машина (f)
trapano (m) ad aria compressa
taladradora (f) de aire comprimido

2 Bohrmaschinenständer (m), Bohrmaschinensäule (f), Bohrmaschinenbock (m), Bohrmaschinenpfeiler (m)
drilling *or* boring machine column *or* pillar *or* standard *or* upright
colonne (f) *ou* montant (m) de machine à percer



a

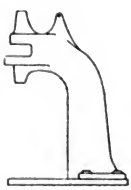
стойка (f) *или* колонна (f) *или* станина (f) сверлильнаго станка
incastellatura (f) *o* colonna (f) *o* pilastro (m) di trapano
bastidor (m) de máquina de taladrar

3 Säulenkopf (m), Ständerkopf (m)
head of pillar post
tête (f) du montant *ou* de la colonne

b

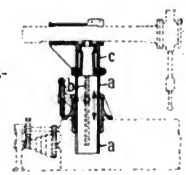
головка (f) колонны *или* стойки
parte (f) superiore dell'incastellatura *o* della colonna *o* del pilastro
cabeza (f) de la columna

4 gebogener Bock (m)
column *or* standard with bent *or* cranked head, standard with overhanging arm
bâti (m) à col de cygne, bâti (m) coudé



изогнутая станина (f) *или* стойка (f)
incastellatura (f) a collo d'oca ripiegato
bastidor (m) inclinado hacia adelante

5 Hauptsäule (f), Hauptpfeiler (m)
main column
fût (m), colonne (f)



a

колонна (f); стойка (f)
colonna (f) *o* pilastro (m) principale
columna (f) principal

6 Zahnstangenwinde (f), Windwerk (n)
rack and pinion gear *or* motion
crémaillère (f) de levée

b

подъёмное приспособление (n) съ зубчатой рейкой и шестернёй
verricello (m) a cremagliera
gato (m) de cremallera

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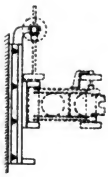
drehbarer Säulenkopf (m)
pivoted *or* swivel head of column
tête (f) de colonne pivotante

c

поворотная головка (f) колонны
testa (f) girevole della colonna
cabeza (f) de la columna giratoria

1



Wandplatte (f), Wandbett (n)
wall plate
plaque (f) murale

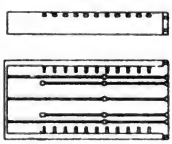
стѣнная рама (f); стѣнная плита (f)
piastra (f) *o* placca (f) a muro
bancada (f) mural

2

Grundplatte (f), Fußplatte (f), Fundamentplatte (f)
foundation *or* base plate
plaque (f) de fondation

основная плита (f); фундаментная плита (f)
piastra (f) *o* placca (f) di fondazione
placa (f) de asiento ó de fundación

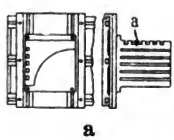
3



Aufspannplatte (f)
bed plate
plaque (f) de fixation

столъ (m) *или* плита (f) съ канавками для укрѣпленія обрабатываемаго предмета
tavola (f) per fissare i pezzi
placa (f) de sujeción

4

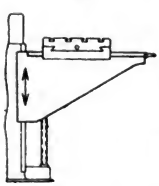


Aufspanntisch (m), Aufspannwinkel (m)
overhung table
console (f) *ou* équerre (f) de fixation

a

кронштейнъ (m) съ канавками для укрѣпленія обрабатываемаго предмета
tavola (f) a squadra
mesa (f) de sujeción

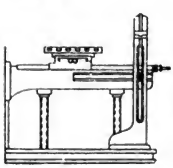
5



verschiebbarer Winkel (m)
overhung table with vertical adjustment
équerre (f) *ou* console (f) mobile *ou* coulissante

перемѣщающійся *или* устанавливающійся кронштейнъ (m)
mensola (f) spostabile
mesa (f) corrediza

6



Winkel (m) mit Tragstütze
overhung table provided with supports
banc (m) *ou* équerre (f) *ou* console (f) levable avec jambe de soutien

кронштейнъ (m) съ поддерживающей стойкой
tavola (f) con sostegni
consola (f) ó mesa (f) de sujeción con soportes

7

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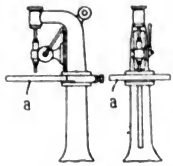
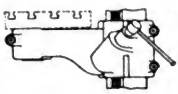


1 Bohrtisch (m)
drilling machine table
plateau (m) *ou* table (f) de perçage

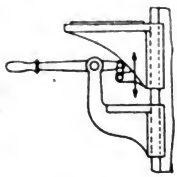
сверлильный столъ(m); столъ сверлильнаго станка
tavola (f) di trapano
mesa (f) de taladrar

a



2 Tischträger (m), Tischhalter (m), Tischarm (m)
supporting table arm
support (m) de table

консоль (m) *или* кронштейнъ (m) для стола
mensola (f) *o* sopporto (m) della tavola
soporte (m) de mesa

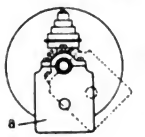


3 [senkrecht] verschiebbarer Bohrtisch (m), Bohrtisch (m) mit senkrechter Prismenführung
drilling machine table with vertical adjustment
table (f) de perçage déplaçable verticalement

сверлильный столъ (m), перемѣщающійся вертикально
tavola (f) di trapano spostabile verticalmente
mesa (f) de taladrar de movimiento vertical

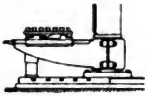
4 ausschwenkbarer Bohrtisch (m)
swivelling table of drilling machine
table (f) de perçage pivotante

сверлильный столъ (m), поворачивающійся *или* откидывающійся въ сторону
tavola (f) girevole di trapano
mesa (f) giratoria alrededor de la columna



5 seitliches Ausschwenken (n)
sideway swivel
pivotant (m) latéral

отведеніе (n) *или* поворачиваніе (n) въ сторону
spostamento (m) laterale, ripiegatura (f) laterale
desplazamiento (m) lateral, giración (f)



6 Bohrtisch (m) mit Kreuzschlitten *oder* mit Kreuzsupport
drilling machine table with cross sliding table
table (f) de perçage avec chariots [à mouvements] croisés

сверлильный столъ (m) съ крестовыми салазками
tavola (f) con slitte a croce
mesa (f) de taladrar con carros de movimiento en cruz

7 Kipptisch (m), [in allen Ebenen] kippbarer Bohrtisch (m)
tilting table
table (f) de perçage pivotante

универсальный наклонный столъ (m)
tavola (f) ribaltabile
mesa (f) de taladrar con movimiento de báscula

a

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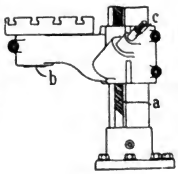

a

Zahnstange (f) mit schrägen Zähnen
rack with helical teeth
crémaillère (f) à denture hélicoïdale

рейка (f) съ косыми зубьями *или* зубцами [для подъёма стола]
cremagliera (f) con denti elicoidali
cremallera (f) con dientes inclinados, cremallera (f) oblicua

1

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b

Tischzapfen (m)
pivot *or* centre pin of table
tourillon (m) *ou* pivot (m) de plateau

цапфа (f) стола
perno (m) della tavola
pivote (m) de la mesa

2

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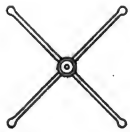
c

Stellschnecke (f), Hubschraube (f)
adjusting *or* elevating endless screw
vis (f) sans fin de relevage

червякъ (m) для установки *или* для подъёма
vite (f) di comando dell'innalzamento
tornillo (m) sin fin de elevación

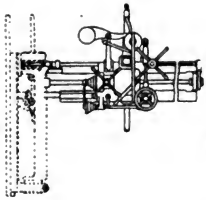
3



Handkreuz (n)
cross handle
croisillon (m)

крестовая рукоятка (f)
manovella (f) a croce *od* a crociera, crociera (f), volantino (m)
palanca (f) en cruz

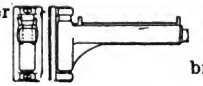
4



Ausleger (m), Auslegerarm (m), Auslegerbalken (m)
arm
bras (m) [radial], volée (f)

поперечина (f); поперечная балка (f); плечо (n); рукавъ (m)
braccio (m)
brazo (m)

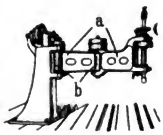
5



zweischildiger Ausleger (m)
double sided arm
bras (m) à flasques

рукавъ (m), состоящій изъ двухъ балокъ; поперечина (f), состоящая изъ двухъ балокъ
braccio (m) con sezione a cassa
brazo (m) de dos flancos

6



a

Gelenkausleger (m)
pivoted *or* articulated *or* hinged arm
bras (m) articulé, bras (m) à articulation

колѣнчатая поперечина (f); шарнирный рукавъ (m)
braccio (m) articolato *o* snodato
brazo (m) articulado

7

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Auslegergelenk (n)
1 pivot *or* articulation of arm
articulation (f) de bras

b

шарниръ (m) поперечины; колѣно (n) рукава
articolazione (f) *o* snodo (m) del braccio
articulación (f) de brazo

Gelenkpunkt (m)
2 pivot, articulation, hinge
pivot (m) d'articulation

ось (f) шарнира; точка (f) вращенія колѣна
fulcro (m), snodo (m)
pivote (m) de articulación

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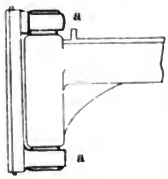
drehbarer und senkrecht verstellbarer Ausleger (m)
3 swivel arm with vertical adjustment
bras (m) radial pivotant à déplacement vertical



поворотная поперечина (f) съ вертикальнымъ перемѣщеніемъ; поворотный рукавъ (m), перемѣщающійся вертикально
braccio (m) girevole e spostabile verticalmente
brazo (m) giratorio y de movimiento vertical

Drehlager (n)
4 pivot bearing
coussinet (m) de pivotement

a

опорная часть (f) поворотной поперечины
sopporto (m) dei perni del braccio
cojinete (m) del movimiento giratorio del porta-brazo

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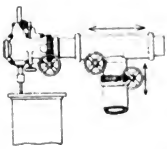
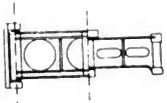
wag[e]recht und senkrecht verschiebbarer Ausleger (m)
5 arm with horizontal and vertical adjustment
bras (m) radial à déplacement horizontal et vertical



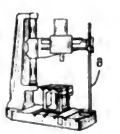
поперечина (f), перемѣщающаяся горизонтально и вертикально; рукавъ (m) съ горизонтальнымъ и вертикальнымъ перемѣщеніемъ
braccio (m) spostabile orizzontalmente e verticalmente
brazo (m) de movimiento horizontal y vertical

Doppelgelenkrahmen (m) der Wandbohrmaschine
double hinged *or* double jointed *or* compound
6 swivel arm for wall drilling machine
bras (m) à double articulation de perceuse murale



двухколѣнчатая поперечина (f) *или* двухшарнирный рукавъ (m) стѣннаго сверлильнаго станка
braccio (m) a due snodi *od* a due articolazioni del trapano murale
brazo (m) de doble articulación del taladradora mural

Armversteifung (f), Armführung (f)
7 support *or* stay of arm
soutien (m) *ou* appui (m) de bras



a

поддержка (f) для конца рукава; направляющая (f) плеча
sostegno (m) del braccio
apoyo (m) del brazo

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Setzstock (m), Lünettenständer (m)
supporting standard
montant (m) à lunette

задняя стойка (f) люнета
montante (m) *o* pilastro (m) ausiliare del reggipunta
soporte (m) de contrapunta

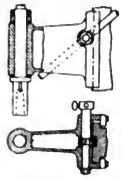
1

Bohrsupport (m)
drill spindle support
support (m) de perçage

сверлильный суппортъ (m)
sopporto (m) *o* cuscinetto (m) del mandrino
soporte (m) de taladrar

2

Bohrschlitten (m)
sliding drill head *or* arm, drill head with vertical adjustment
poupée (f) *ou* chariot (m) de guidage



переставная бабка (f) [сверлильнаго станка]
braccio (m) a slitta del mandrino
carro (m) *ó* cabezal (m) porta-útil

3

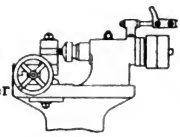
---

verschiebbare Röhre (f)
sliding sleeve *or* socket
douille (f) coulissante

подвижная трубка (f)
manicotto (m) spostabile
tubo (m) móvil

4

Ankörnvorrichtung (f)
centreing apparatus
dispositif (m) à centrer



приспособленіе (n) для нанесенія центровъ
dispositivo (m) per centrare
disposición (f) de centrar

5

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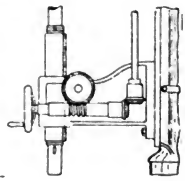
einstellbarer Arm (m)
adjustable arm
bras (m) réglable



перемѣщающаяся поперечина (f)
braccio (m) spostabile
brazo (m) graduable

6

Doppellager (n)
double bearing
palier (m) à double portée

двойная опора (f); двойной подшипникъ (m)
sopporto (m) doppio *od* a due cuscinetti *od* a doppio imbusso
cojinete (m) doble

7

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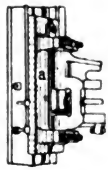
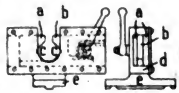
verschiebbares Doppellager (n)
1 sliding double bearing
double palier (m) à déplacement



a

двойная подвижная опора (f); двойной подвижной подшипникъ (m)
sopporto(m)doppio scorrevole spostabile a due cuscinetti
cojinete (m) doble graduable

selbstausrichtende *oder* selbstzentrierende [Ein-]Spannvorrichtung (f)
2 self-centreing apparatus
dispositif (m) de serrage à centrage automatique



автоматически центрирующее зажимное приспособление (n); самоустанавливающіе тиски (m pl)
apparecchio (m) per serrare autocentricamente, morsa (f) autocentrante
disposición (f) de centrar automática

Spannbacken (m pl)
gripping jaws
3 mors (m) *ou* mâchoires (f pl) griffes de serrage

a, b

зажимающія губы (f pl) *или* губки (f pl)
ganascia (f) della morsa
mordazas (f pl) de sujeción

Ausklinkung (f) der Maulflächen
4 V shaped gripping surface of jaws
ouverture (f) des mâchoires *ou* joues

c

вырѣзъ (m) зажимающихъ поверхностей губ[ок]ъ
tacca (f) delle ganascie
mella (f) de las mordazas

Spanntasche (f), Backenführung (f)
5 pocket *or* guide for gripping jaws
étau (m) de serrage

d

рамка (f) съ направляющими для зажимающихъ губ[ок]ъ
cassa (f) della morsa *o* delle ganascie
bolsa (f) de sujeción

Spannbock (m), Fuß (m)
6 frame of apparatus
support (m) de serrage

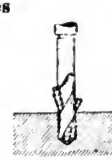
e

стойка (f) тисокъ
sopporto (m) della morsa
soporte (m) de las mordazas

Arbeitsweise, Antrieb und Schaltung
7 **Method of Working, Drive and Feed**
Méthodes de travail, commandes

Способъ работы, передача вращенія и подача сверла
Metodi di lavoro, comando ed avanzamento
Sistemas de trabajo, movimientos

bohren (v)
8 to drill, to bore
percer (v), forer (v)



сверлить
forare (v), trapanare (v)
taladrar (v), perforar (v)

Bohren (n), Einbohren (n) (eines Loches)
9 drilling *or* boring (of a hole)
perçage (m) d'un trou

сверленіе (n) *или* высверливаніе (n) (отверстія)
foratura (f), trapanatura (f)
el taladrar de un agujero

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der Bohrer dreht sich, der Bohrer läuft
the drill revolves
le foret tourne

сверло (n) вращается
il mandrino *o* la punta gira
la broca gira
1

Löcher bohren (v)
to drill holes
percer (v) des trous

сверлить отверстія *или* дыры
forare (v), trapanare (v) fori
taladrar (v) agujeros
2

Lochbohren (n)
drilling of holes
perçage (m) de trous

сверленіе (n) отверстій *или* дыръ
foratura (f), trapanatura (f) di fori
el taladrar agujeros
3

Bohrervorschub (m), Bohrerverschiebung (f)
feed of drill
avance (f) du foret

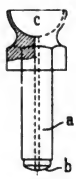
подача (f) сверла
spostamento (m) assiale *od* avanzamento (m) del mandrino *o* della punta
avance (m) de la broca
4

Bohrerdrehung (f)
rotation of drill
rotation (f) du foret

вращательное (рабочее) движеніе (n) сверла
rotazione (f) del mandrino
rotación (f) de la broca
5

Bohrdruck (m)
pressure applied to drill
pression (f) axiale du foret *ou* de perçage

осевое давленіе (n) сверла *или* при сверленіи
pressione (f) sul mandrino *o* sulla punta
presión (f) de la perforación
6



Druckschraube (f)
pressure pin
vis (f) de butée

упорный винтъ (m)
vite (f) di pressione
rosca (f) de presión *ó* de tope
7

Druckzapfen (m)
shank of pin
tige (f) de la vis de butée

a

стержень упорнаго винта
gambo (m) *o* spina (f) di pressione
espiga (f) de la rosca de presión *ó* de tope
8

Spurfläche (f)
rounded face
bout (m) du pivot

b

опорная поверхность (f) цапфы
superficie (f) premente
punta (f) redondeada del pivote
9

Ölnapf (m)
oil cup
pot (m) à huile

c

чашечка (f) для масла
serbatoio (m) *o* vaschetta (f) per l'olio
recipiente (m) de aceite
10

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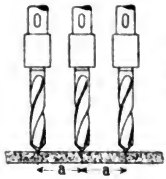
nach Schablone bohren (v)
1 to drill to gauge *or* template
percer (v) sur gabarit

сверлить по шаблону
forare (v) usando un garbo *o* un modello
taladrar (v) con plantilla

Schablone (f)
2 template, gauge, gage
gabarit (m)

шаблонъ (m); направляющая (f)
garbo (m), modello (m)
plantilla (f), patrón (m)

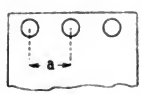
Bohrerabstand (m), Teilung (f)
pitch of drills
3 écartement (m) des forets, distance (f) d'axe en axe des forets



a

разстояніе (n) между сверлами
distanza (f) tra i centri dei trapdrini *o* delle punte
distancia (f) de broca á broca

Lochabstand (m)
pitch of holes
4 pas (m) *ou* écartement (m) des trous, distance (f) d'axe en axe des trous



a

разстояніе (n) между центрами отверстій *или* дыръ
distanza (f) tra i fori
distancia (f) entre los agujeros

---

das Loch vorzeichnen (v)
to mark off the hole
5 pointer (v) *ou* repérer (v) *ou* centrer (v) *ou* marquer (v) le trou

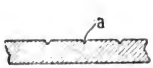
намѣчать *или* размѣчать отверстія
segnare (v) *o* marcare (v) il centro del foro
marcar (v) el agujero

---

das Loch ankörnen (v)
to centre the hole
6 pointer (v) *ou* amorcer (v) le trou

накерн-ить (-ять); намѣчать центры дыръ помощью кернера
bulinare (v) il centro del foro, centrare (v) il foro
marcar (v) el agujero con el punzón

Körnervertiefung (f), Körnerschlag (m)
7 centre mark *or* pop
trou (m) de pointeau, centre (m)



a

углубленіе (n), сдѣланное кернеромъ
centratura (f), bulinatura (f) del centro
marca (f) ó huella (f) del punzón

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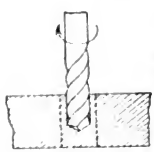
vorbohren (v)
to rough drill
percer (v) un avant-trou



сверлить начерно
sbozzare (v) il foro
hacer (v) previamente un agujero (de menor diámetro que el definitivo)

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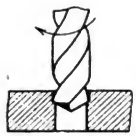
nachbohren (v), fertigbohren (v)
to drill a finished hole
aléser (v), repercer (v), repasser (v), reforer (v)



сверлить начисто
finire (v) *o* ripassare (v) il foro
dar (v) el segundo taladro (para terminar el agujero) *1*

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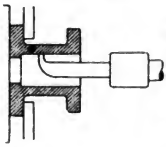
ausbohren (v)
to bore out
aléser (v)



разсверливать *или* растачивать отверстіе
allargare (v) *od* alesare (v) un foro, fare (v) un foro passante
alisar (v) *2*

---

zylindrische Bohrung (f)
cylindrical boring
alésage (m) cylindrique

сверленіе (n) цилиндрическихъ отверстій
foratura (f) cilindrica
taladro (m) cilíndrico *3*

---

kegelige *oder* konische Bohrung (f)
conical boring
alésage (m) conique

сверленіе (n) коническихъ отверстій
foratura (f) conica
taladro (m) cónico *4*

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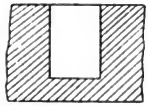
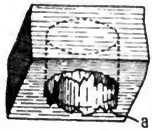
blindes Loch (n), Sackloch (n)
recess *or* blind hole
trou (m) borgne



несквозное *или* глухое отверстіе (n)
foro (m) cieco
agujero (m) ciego, agujero (m) sin salida *5*

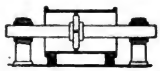
Bohrgrat (m), Grat (m)
bur, burr
bavure (f)



заусенцы (m pl) *или* грать (m) [при сверленіи]
bava (f), bava (f) del foro
rebarba (f) de taladrar *6*

a

Ausbohren (n) runder Löcher
boring of cylindrical holes
alésage (m) de trous cylindriques



разсверливаніе (n) *или* расточка (f) цилиндрическихъ отверстій
trapanatura (f) di fori cilindrici
el alisar agujeros cilíndricos *7*

Ausbohren (n) kegel[förm]iger Löcher
boring of conical holes
alésage (m) de trous coniques

разсверливаніе (n) *или* расточка (f) коническихъ отверстій
trapanatura (f) di fori conici
el alisar agujeros cónicos *8*

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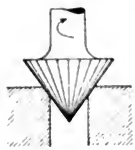
1 Versenken (n)
countersinking
fraisage (m) [d'un trou]



раззенковка (f); зенкованіе (n); зинкованіе (n)
accecatura (f) *od* incassatura (f) [di un foro]
el avellanar de un agujero

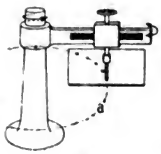
---

2 Bohrgerät (n)
boring tools, drilling tools, drills
outils (m pl) de perçage

сверлильный инструментъ (m); принадлежности (f pl) для сверленія
utensili (m pl) per forare
herramientas (f pl) para taladrar

---

3 Bohrspindelkreis (m)
path of spindle
cercle (m) décrit par le foret



кругъ (m), описываемый сверлильнымъ шпинделемъ
circolo (m) descritto dal mandrino, circolo (m) del mandrino
circulo (m) que describe el husillo porta-brocas

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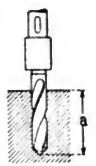
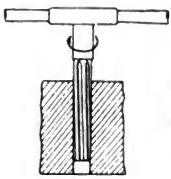
4 Bohrlänge (f), Bohrtiefe (f)
depth of bore
course (f) *ou* longueur (f) de perçage



глубина (f) сверленія
profondità (f) trapanabile *o* forabile
profundidad (f) de taladrar

---

5 Aufreiben (n)
reaming
alésage (m)



обработка (f) *или* отдѣлка (f) отверстія развёрткою
alesatura (f), alesaggio (m)
el escariar

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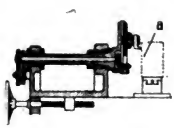
6 abschwärmen (v)
to face
dresser (v) [avec le support tournant], déraser (v)



обработать (обрабатывать) вращающимся суппортомъ боковыя поверхности [фланцы]
sfacciare (v) *o* tornire (v) di testa *o* in piano
tornear (v) con útil giratorio

---

7 abgeschwärmte Fläche (f)
faced surface
surface (f) dressée [au support tournant]

a

поверхность (f), обработанная вращающимся суппортомъ
piano (m) sfacciato *o* tornito di testa
superficie (f) torneada con útil giratorio

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Bohrmaschinenbetrieb (m)
action *or* operation of drilling machine
fonctionnement (m) de machine à percer

действие (n) сверлильного станка
funzionamento (m) del trapano
funcionamiento (m) de máquina de taladrar

Verlaufen (n) des Bohrers
running out of the drill
déviation (f) du foret

отклонение (n) сверла отъ точнаго направленія
deviazione (f) della punta
deviación (f) de la broca

Bohrspindel (f)
drilling machine spindle
broche (f), barre (f) d'alésage, arbre (m) porte-foret

сверлильный шпиндель (m)
mandrino (m) porta-punta
husillo (m) porta-útil

---

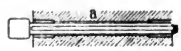
drehende Hohlspindel (f)
revolving hollow spindle
broche (f) creuse [rotative]

вращающійся полый *или* пустотѣлый сверлильный шпиндель (m)
mandrino (m) cavo e girevole
árbol (m) de taladrar rotatorio y hueco

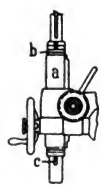
Ausrichten (n) der Bohrspindel
setting the drill spindle
réglage (m) *ou* mise (f) au point de la broche

устанавливать сверлильный шпиндель на центръ
messa (f) a punto del mandrino
el centrar el árbol *ó* husillo de taladrar

Führung (f) der verschiebbaren Bohrspindel, Bohrspindelführung (f)
bushing for sliding drill spindle
guidage (m) de la broche *ou* de l'arbre porte-foret



направленіе (n) сверлильнаго шпинделя
guida (f) *o* bussola (f) del mandrino spostabile
guía (f) del husillo portabroca móvil



Bohrhülse (f), Führungsbüchse (f)
sleeve
douille (f) de guidage de la broche de perçage

втулка (f), направляющая сверлильный шпиндель
manicotto (m) *o* bussola (f) del mandrino
casquillo (m) de guía del husillo

a

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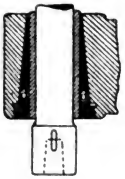
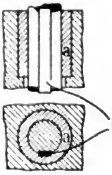
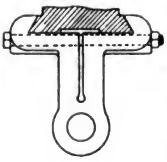
1	Stoßring (m) friction ring rondelle (f) de butée	b	упорное кольцо (n), anello (m) *o* ralla (f) di controspinta arandela (f) de presión
	Keil[treiber]loch (n) drift hole trou (m) de coin à chasser	c	отверстіе (n) для натяжного клина foro (m) *o* finestra (f) *o* apertura (f) per scacciare la punta agujero (m) para la cuña de sacar la broca
3	Weißmetallkegel (m), Weißmetallfutter (n) white metal cone cône (m) en métal antifriction	 a	коническая втулка (f) изъ бѣлаго металла cuscinetto (m) conico di metallo antifrizione cojinete (m) cónico de metal antifricción
4	genutete Büchse (f), Hülse (f) für Führung der Spindel in Nut und Feder keyed bush douille (f) à rainure	 a	втулка (f) со шпонкой; втулка для направленія шпинделя при помощи шпонки и шпоночной канавки bussola (f) inchiavettata casquillo (m) ranurado
5	Führungsstab (m), Führungsleiste (f), Führungsfeder (f), Federkeil (m) feather, key clavette (f)	b	направляющая шпонка (f) chiavetta (f) di guida chaveta (f)
6	Bohrspindellagerung (f) bearing of spindle montage (m) *ou* support (m) de la broche de perçage		установка сверлильнаго шпинделя sopporti (m pl) *o* cuscinetti (m pl) del mandrino disposición (f) del husillo porta-brocas en su cojinete
7	gespaltenes Halslager (n) der Bohrspindel bracket for drill spindle with slit for clamping support (m) de la broche à bride fendue (pour le serrage)		направляющая втулка (f) сверлильнаго шпинделя съ разрѣзомъ для укрѣпленія sopporto (m) *o* cuscinetto (m) a collare del mandrino con spaccatura per il fissaggio cojinete (m) partido del árbol porta-brocas

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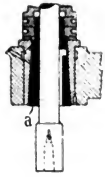
konzentrisch nachstellbares Lager (n)
concentric adjustable bearing
coussinet (m) *ou* palier (m) à rattrapage de jeu concentrique

подшипникъ (m) съ концентрически подтягивающимися *или* перемѣщающимися вкладышами
sopporto (m) *o* cuscinetto (m) regolabile concentricamente *od* a regolazione concentrica
cojinete (m) graduable concentricamente

1



nachstellbare Büchse (f) *oder* Buchse (f)
adjustable bush
douille (f) à rattrapage de jeu

устанавливающаяся втулка (f); перемѣщающійся вкладышъ (m)
bussola (f) regolabile
casquillo (m) graduable

2

kegeliger *oder* konischer Laufzapfen (m)
conical collet
bague (f) conique de guidage

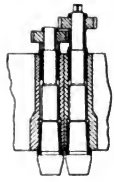
коническая цапфа (f) [въ видѣ втулки]
bussola (f) conica, cuscinetto (m) conico
anillo (m) cónico de guía

3

Anziehen (n) der Ringmutter
tightening the ring nut
serrage (m) de l'écrou

подтягиваніе (n) кольцевой гайки
serraggio (m) della madrevite ad anello, chiusura (f) dell'anello filettato
aprieto (m) de la tuerca-arandela

4



Zwillingspindellagerung (f), doppelte Spindellagerung (f)
double spindle bearing
douilles (f pl) pour deux broches

установка (f) въ опорахъ двухъ сверлильныхъ шпинделей
sopporti (m pl) *o* cuscinetti (m pl) di mandrini abbinati
disposición (f) de cojinetes para árbol doble

5

verstellbare Bohrspindel (f)
adjustable spindle
broche (f) réglable, porte-foret (m) réglable

перемѣщающійся *или* перестанавливающійся сверлильный шпиндель (m)
mandrino (m) spostabile
árbol (m) porta-broca graduable

6

verstellbares Spindelgehäuse (n)
adjustable head stock
poupée (f) mobile

переставная шпиндельная бабка (f)
testa (f) spostabile del mandrino
cabezal (m) de husillo graduable

7

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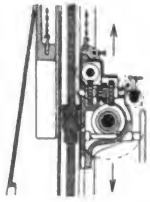
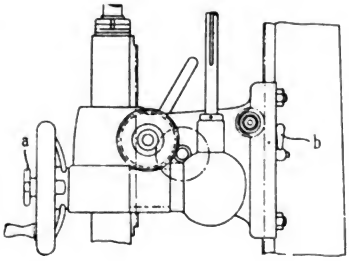
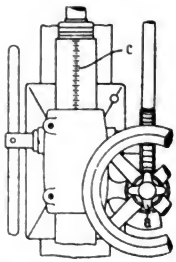


senkrechte Spindelkastenverschiebung (f), Vertikalverstellung (f) des Spindelkastens
1 vertical movement of head stock
déplacement (m) vertical du chariot *ou* porte-broche *ou* de la poupée

вертикальное перемѣщеніе (n) шпиндельной бабки
spostamento (m) *o* movimento (m) verticale della testa del mandrino
movimiento (m) vertical del cabezal portahusillo





Kreuzgriff (m), Klemmgriff (m), Klemmmutter (f)
2 handle locking
croisillon (m), bouton (m) de serrage

a

крестовая рукоятка (f) для включенія самохода
volantino (m) *o* crociera (f) di attacco (dell'avanzamento automatico)
botón (m) de presión

Bremsknebel (m), Bremsgriff (m), Bremsschlüssel (m)
3 locking handle *or* lever
manette (f) de frein

b

рукоятка (f) для установки *или* для закрѣпленія
leva (f) *o* manovella (f) di fissaggio
manilla (f) de presión

Gradteilung (f)
4 graduations
graduation (f), échelle (f) graduée

c

шкала (f)
graduazione (f)
graduación (f) para la profundidad del agujero

Verstellbarkeit (f) der Bohrspindellage
5 adjustability of drill spindle
réglage (m) de la position de la broche de perçage

подвижность (f) сверлильнаго шпинделя; возможность (f) измѣнить положеніе сверлильной оправки
regolabilità (f) *o* variabilità (f) della posizione del mandrino
disposición (f) de graduación de la posición del husillo de taladrar

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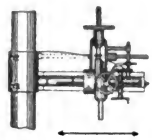
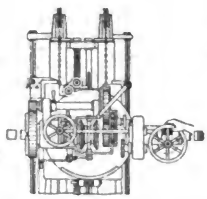
quer zur Achse verschiebbare Bohrspindel (f)
spindle with transverse travel
broche (f) mobile transversalement à l'axe



сверлильный шпиндель (m), имѣющій поперечное (перпендикулярно своей оси) перемѣщеніе; сверлильный суппортъ (m), перемѣщающійся по рукаву
mandrino (m) spostabile parallelamente con spostamento normale al suo asse
árbol (m) de taladrar de movimiento transversal

1

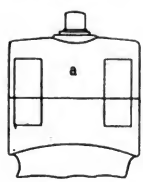
Handverschiebung (f) der Bohrspindel, Vorstellung (f) der Bohrspindel von Hand
hand feed of the boring spindle
avance (f) de la broche à la main



ручная подача (f) сверлильнаго шпинделя
avanzamento (m) a mano del mandrino *o* della barra di alesaggio
movimiento (m) de traslación á mano del husillo de taladrar

2

Lager (n), Traglager (n)
pedestal
palier (m)



подшипникъ (m)
sopporto (m)
cojinete (m)

3

Lagerdeckel (m)
pedestal cap
chapeau (m) de palier

a

крышка (f) подшипника
cappello (m) *o* coperchio (m) del sopporto
tapa (f) del cojinete

4

Riemenrücker (m), Ausrücker (m)
belt shifter
passe-courroie (m)

отводка (f) для ремня
guida-cinghia (m)
disparo (m) de correa

5

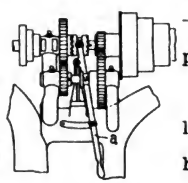
Riemenrückergriff (m)
belt shifter handle
poignée (f) de passe-courroie

a

рукоятка (f) отводки для ремня
impugnatura (f) del guidacinghia
manilla (f) de disparo de la correa

6

Schaltgabel (f), Schalthebel (m)
operating lever
fourche (f) d'embrayage, levier (m) d'embrayage

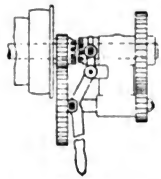


рукоятка (f) сцѣпного механизма; рычагъ (m) сцѣпного механизма
leva (f) di innesto e disinnesto
horquilla (f) *o* palanca (f) de embrague

7

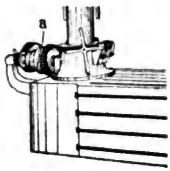
a

1 Spindelstock (m), Spindelkasten (m)
head stock
poupée (f)



шпиндельная бабка (f)
organi (mpl) di comando del mandrino, testa (f) del mandrino
cabezal (m) motor

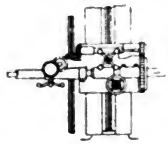
2 fester Spindelstock (m)
fast head stock
poupée (f) fixe



a

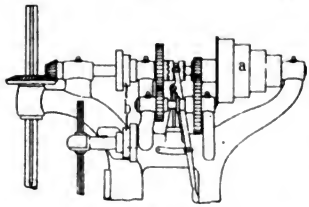
неподвижная шпиндельная бабка (f)
testa (f) fissa del mandrino
cabezal (m) motor fijo

3 beweglicher Spindelstock (m)
sliding head stock *or* carriage
poupée (f) mobile, chariot (m) porte-broche mobile



подвижная шпиндельная бабка (f)
testa (f) mobile del mandrino
cabezal (m) motor móvil

4 Stufenscheibe (f), Stufenrolle (f)
cone pulley
poulie (f) à gradins



a

ступенчатый шкивъ (m)
puleggia (f) a gradini
polea (f) graduada ó escalonada, cono (m) de velocidades

5 Stufenscheibe (f) für den Vorschub, Transportstufenscheibe (f)
feed cone pulley
poulie (f) à gradins du mécanisme d'avance

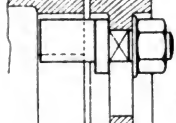
b

ступенчатый шкивъ (m) механизма для подачи
puleggia (f) a gradini dell'avanzamento
polea (f) escalonada motriz

6 mehr- (drei-, vier-, fünf-) stufige Riemenscheibe (f)
multiple (three, four, five) stepped cone
poulie (f) à trois, quatre, cinq etc. gradins

многоступенчатый (трёхступенчатый, четырёхступенчатый, пятиступенчатый) шкивъ (m)
puleggia (f) a più gradini (tre, quattro, cinque)
polea (f) múltiple (para tres, cuatro, cinco velocidades)

7 Mitnehmerschraube (f)
locking *or* driving *or* catch pin
vis (f) de blocage du taquet *ou* verrou d'entraînement



сцѣпляющій болтъ (m)
vite (f) di presa, tappo (m) di presa a vite
tornillo (m) conductor ó de arrastre

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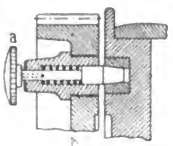
selbsttätiger Mitnehmer (m), federnder Arretierstift (m)
automatic catch
taquet (m) *ou* verrou (m) d'entraînement à ressort *ou* à enclanchement automatique



автоматически сцѣпляющій штифтъ (m) *или* болтъ (m)
tappo (m) di presa automatico *1*
espiga (f) automática de arrastre

Mitnehmerknopf (m), Mitnehmergriff (m)
head *or* knob of catch
bouton (m) *ou* molette (f) du verrou d'entraînement

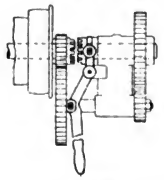
a

головка (f) сцѣпляющаго штифта
pomello (m) *o* bottone (m) del tappo di presa *2*
botón (m) de la espiga de arrastre

Stufenriemen (m)
belt of cone pulleys
courroie (f) des poulies à gradins

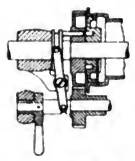
ремень (m) ступенчатаго шкива
cinghia (f) della puleggia a gradini *3*
correa (f) para poleas escalonadas

Spindelstock (m) mit Zahnkupplung *oder* Klauenkupplung
head stock with claw coupling *or* dog clutch
poupée (f) avec embrayage à griffes



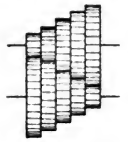
шпиндельная бабка (f) съ зубчатой *или* съ кулачной муфтой
testa (f) motrice con innesto a denti *4*
cabezal (m) motor con acoplamiento de dientes

Spindelstock (m) mit Stiftkupplung
head stock with pin coupling
poupée (f) avec accouplement à tige



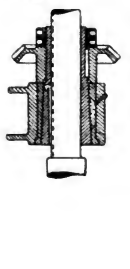
шпиндельная бабка (f) со сцѣпленіемъ посредствомъ штифтовъ *или* пальцевъ
testa (f) motrice con innesto a spina *5*
cabezal (m) motor con acoplamiento de espiga

Wechselräder (n pl), Satzräder (n pl)
change wheels
engrenages (m pl) de changement de vitesse



смѣнныя зубчатыя колёса (n pl)
ingranaggi (m pl) di ricambio *6*
ruedas (f pl) de engranaje de cambio de velocidad

Antrieb (m) der auf- und absteigenden Bohrspindel
method of driving sliding drill spindle
commande (f) du mouvement de rotation de la broche



передача (f) къ шпинделю, перемѣщающемуся вверхъ и внизъ
comando (m) del movimento di ascesa e discesa del mandrino *7*
mecanismo (m) del movimiento giratorio del árbol de taladrar

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1 nachgiebiges Antriebmittel (n), federndes Zwischenglied (n)
elastic *or* non-rigid coupling device
accouplement (m) élastique à friction

эластичная передача (f)
comando (m) elastico *o* flessibile
acoplamiento (m) elástico de fricción

---

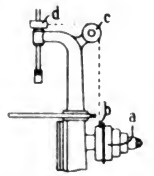
2 Triebhülse (f), Bohrspindelhülse (f)
spindle sleeve, driving sleeve
douille (f) d'entrainement

a

втулка (f) *или* трубка (f), передающая вращение шпинделю
bussola (f) di comando motrice
casquillo (m) de arrastre

---

3 Riemenrolle (f)
belt pulley
poulie (f) de commande pour courroie



a, b, c, d

шкивъ (m) [для ремня]
puleggia (f) per cinghia
polea (f) para correa

---

4 Antriebrolle (f)
driving pulley
poulie (f) motrice

a

ведущій шкивъ (m)
puleggia (f) motrice *o* di comando
polea (f) motriz

---

5 Leitrolle (f), Führungsrolle (f)
guide pulley
galet (m) de guidage de la courroie

c

направляющій шкивъ (m); направляющій роликъ (m)
rullo (m) di guida, galoppino (m)
polea (f) ó rollo (m) de guía

---

6 Seilantrieb (m) der Bohrspindel
rope drive of boring spindle
commande (f) de la broche par câble

шнуровая передача (f) вращенія къ сверлильному шпинделю
comando (m) a fune del mandrino
movimiento (m) motor por cable del árbol de taladrar

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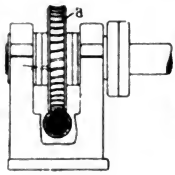
7 Schneckenradantrieb (m), Wurmradantrieb (m)
worm wheel drive
commande (f) par roue et vis sans fin



червячная передача (f)
comando (m) a mezzo di ruota e vite perpetua *o* senza fine
movimiento (m) motor por tornillo sin fin y rueda helicoidal

---

8 Schneckenrad (n), Wurmrad (n)
worm wheel
roue (f) à vis sans fin

a

червячное колесо (n)
ingranaggio (m) a vite perpetua *o* senza fine
rueda (f) helicoidal

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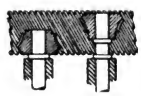
Bohrspindelantrieb (m) durch mehrgängige Schraube
drive of bore spindle with multiple thread screw
commande (f) de la broche par vis sans fin á plusieurs filets



передача (f) вращенія сверлильному шпинделю помощью многоходового винта
comando (m) del mandrino a mezzo di vite a più filetti *1*
movimiento (m) del árbol de taladrar por tornillo de varios filetes

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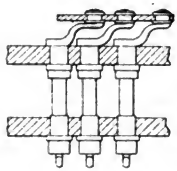
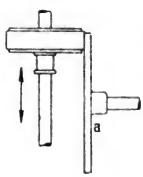
Bohrspindelantrieb (m) durch Kurbeln
crank drive of boring spindles
commande (f) des broches par manivelles



передача (f) вращенія сверлильнымъ шпинделямъ помощью кривошиповъ
comando (m) dei mandrini a mezzo di manovelle *2*
movimiento (m) del árbol de taladrar por manivelas

Antrieb (m) durch Reibrad, Friktionsantrieb (m)
friction wheel drive
commande (f) par plateau et roue à friction



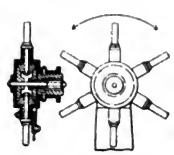
фрикціонная передача (f)
comando (m) a mezzo di ruota a frizione *o* di disco a frizione *3*
movimiento (m) por disco de fricción

Reibrad (n), Reibscheibe (f)
friction disc
roue (f) à friction, plateau (m) à friction

a

фрикціонное колесо (n); фрикціонный дискъ (m)
ruota (f) *o* disco (m) a frizione *4*
rueda (f) de fricción, disco (m) de fricción

Bohrspindelantrieb (m) durch Reibkegel
spindle drive by friction cone
commande (f) de la broche par cônes à friction



передача (f) вращенія сверлильному шпинделю помощью коническихъ фрикціонныхъ колёсъ
comando (m) del mandrino a mezzo di coni a frizione *5*
movimiento (m) del árbol porta-brocas por cono de fricción

Antrieb (m) durch Hyperbelräder *oder* durch hyperbol[oid]ische Räder
hyperbolic wheel drive
commande (f) par roues hyperboliques

передача (f) помощью гиперболическихъ колёсъ
comando (m) a mezzo di ruote iperboliche *6*
movimiento (m) por ruedas hiperbólicas

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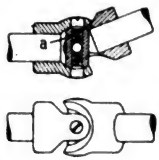
1 Antrieb (m) durch Kreuzgelenk
drive by universal joint
commande (f) par joint universel *ou* à la Cardan

передача (f) помощью универсальнаго шарнира
comando (m) a mezzo di giunto snodato *o* giunto di Cardano
movimiento (m) por articulación universal *ó* de Cardan

2 Kreuzgelenk (n)
Cardan shaft *or* universal joint
joint (m) à la Cardan, joint (m) universel



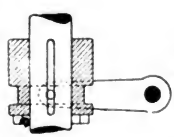
универсальный шарниръ (m); шарниръ Кардана; шарниръ Гука
giunto (m) snodato, giunto (m) di Cardano
articulación (m) universal *o* de Cardan

3 Herzstück (n)
centre piece
rotule (f) de joint Cardan

a

крестовина (f) [универсальнаго шарнира]
perno (m) dello snodo
pieza (f) central, rótula (f)

4 Klauenmuff (m), Klauenmuschel (f), Kuppelmuff (m)
claw coupling *or* dog clutch sleeve
manchon (m) d'accouplement

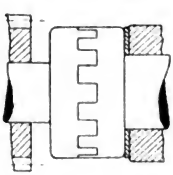


сцѣпная муфта (f)
manicotto (m) di innesto
manguito (m) de acoplamiento

5 ausrückbare Kupplung (f)
disengaging coupling
accouplement (m) débrayable

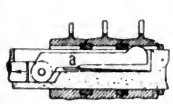
раздвижная муфта (f)
innesto (m) disinnestabile
acoplamiento (m) desembragable

6 Klauenkupplung (f), Zahnkupplung (f)
dog clutch, claw coupling
embrayage (m) à dents, embrayage (m) à griffes



кулачная муфта (f); зубчатая муфта
innesto (m) a denti
acoplamiento (m) de garras *ó* de dientes

7 Springkeil (m), Ziehkeil (m), Kuppelkeil (m), Kuppelfeder (f), Kuppelklinke (f)
spring coupling catch
clavette (f) d'accouplement à ressort



a

пружинная шпонка (f)
saliscendi (m) *o* nasello (m) di innesto
trinquete (m) de acoplamiento

8 Vorschub (m) *oder* Schaltung (f) *oder* Zustellung (f) der Bohrspindel
feed of spindle
avance (f) de la broche

подача (f) шпинделя
avanzamento (m) del mandrino
avance (m) del husillo de taladrar

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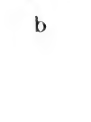
Vorschubgeschwindigkeit (f), Zuschiebungsgeschwindigkeit (f)
rate of feed
vitesse (f) d'avance

скорость (f) подачи
velocità (f) di avanzamento, avanzamento (m) unitario 1
velocidad (f) de avance

Vorschubwelle (f), Vorschubspindel (f), Schaltspindel (f), Schaltschraube (f)
feed spindle
arbre (m) d'avance, vis (f) d'avance

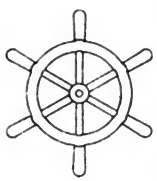
валикъ (m) для подачи; винтъ (m) для подачи
albero (m) di comando dell'avanzamento 2
árbol (m) ó husillo (m) de avance, tornillo (m) de avance

Schaltrad (n)
feed gear wheel
roue (f) d'avance



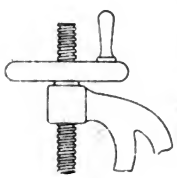
зубчатое колесо (n) механизма подачи
ruota (f) *od* ingranaggio (m) di comando dell'avanzamento 3
rueda (f) ó volante (m) del movimiento de avance

Spillrad (n), Sternrad (n), Handrad (n)
capstan hand wheel
volant (m) à poignées



ручной маховичокъ (m); звѣздчатка (f)
ruota (f) timoniera, volantino (m) a ruota timoniera 4
rueda (f) de timón

Handvorschub (m)
hand feed
avance (f) à la main



подача (f) въ-ручную; подача отъ руки; ручная подача
avanzamento (m) a mano 5
avance (m) á mano

Handsteuerung (f)
hand control
commande (f) à main

управленіе (n) [станкомъ] въ-ручную; управленіе [станкомъ] отъ руки
inversione (f) del movimento della marcia a mano 6
disposición (f) de los movimientos á mano

Handzuschiebung (f) der Bohrspindel
hand feed of drill spindle
avance (f) de la broche à la main

ручная подача (f) сверлильнаго шпинделя
avanzamento (m) a mano del mandrino 7
avance (m) del husillo de taladrar á mano

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1 Bohrspindelverschiebung (f) mittels Handhebel
feed of drill spindle by hand lever
avance (f) de la broche par levier à main

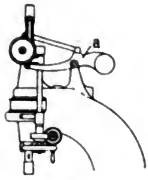
подача (f) сверлильнаго шпинделя посредствомъ рукоятки
spostamento (m) del mandrino a mezzo di leva a mano
movimiento (m) del husillo de taladrar á palanca

2 Schaltgriff (m)
handle of operating lever
poignée (f) à cliquet, manette (f)

a

рукоятка (f) механизма подачи
impugnatura (f) con leva di arresto
manilla (f) de maniobra

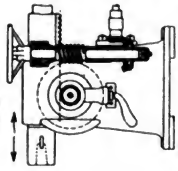
3 Gegengewicht[s]hebel (m)
balance weight lever
levier (m) à contrepoids



a

рычагъ (m) противовѣса
leva (f) contrappesata
palanca (f) de contrapeso

4 Vorschubbewegung (f) *oder* Bohrspindelverschiebung (f) durch Zahnstange und Rad
rack feed of drill spindle
avance (f) de la broche par pignon et crémaillère



подача (f) сверлильнаго шпинделя посредствомъ шестерни съ рейкой
spostamento (m) del mandrino a mezzo di ingranaggio e cremagliera
avance (m) del husillo de taladrar por cremallera y piñon

5 Bohrspindel (f) mit Zahnstange
drill spindle with rack
broche (f) à crémaillère

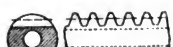
сверлильный шпиндель (m) съ зубчатой рейкой
mandrino (m) con cremagliera
husillo (m) de taladrar con cremallera

6 Schaltzahnstange (f)
feed rack
crémaillère (f) d'avance

a

зубчатая рейка (f) механизма подачи
cremagliera (f) di comando dell'avanzamento
cremallera (f) del movimiento de avance

7 Rundzahnstange (f)
circular rack
crémaillère (f) à section circulaire



зубчатая рейка (f) круглаго сѣченія
cremagliera (f) a sezione circolare
cremallera (f) de sección circular

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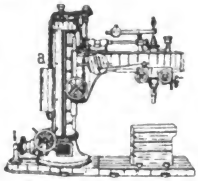
Kugellager (n), Drucklager (n)
ball bearing
coussinet (m) *ou* palier (m) à billes

b

шариковый подшипникъ (m); опора (f) съ шариками *1*
cuscinetto (m) a sfere
cojinete (m) de bolas



Kette (f) mit Gegengewicht
chain with balance weight
chaîne (f) à contrepoids

цѣпь (f) съ противовѣсомъ
catena (f) con contrappeso *2*
cadena (f) con contrapeso

a

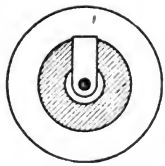
Bohrspindel (f) mit Schraubenantrieb *oder* mit Schaltschraube
drill spindle with screw feed
broche (f) à avance par vis

сверлильный шпиндель (m) съ винтовой подачей
mandrino (m) con comando a vite *3*
husillo (m) de taladrar con movimiento de avance por tornillo

selbsttätige Bohrstange (f)
self-acting boring bar
barre (f) d'alésage automatique

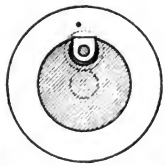
скалка (f) *или* оправка (f) для разсверливанія съ автоматической подачей
barra (f) di alesaggio automatica *4*
barra (f) de alisar automática, arbol (m) de barrenar de avance automático

Bohrstange(f) mit innenliegender *oder* gleichachsiger Schaltschraube
boring bar with internal concentric feed screw
barre (f) d'alésage avec vis du mouvement d'avance concentrique



скалка (f) *или* оправка (f) для разсверливанія съ расположеннымъ внутри *или* концентрично винтомъ для подачи
barra (f) di alesaggio con vite interna *o* concentrica di comando dell'avanzamento *5*
barra (f) de alisar *ó* árbol (m) de barrenar con tornillo de avance interior

Bohrstange (f) mit einseitig *oder* exzentrisch liegender Schaltschraube
boring bar with eccentric feed screw
barre (f) d'alésage avec vis de commande de l'avance excentrique



скалка (f) *или* оправка (f) для разсверливанія съ расположеннымъ сбоку *или* эксцентрично винтомъ для подачи
barra (f) di alesaggio con vite eccentrica di comando dell'avanzamento *6*
árbol (m) de alisar y barrenar con tornillo de avance excéntrico

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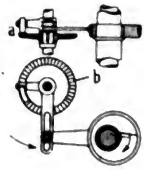
1 Vorschub (m) *oder* Schaltung (f) durch Exzenter, Exzentersteuerung (f)
eccentric feed motion
dispositif (m) d'avance par excentrique



подача (f) отъ эксцентрика
dispositivo (m) dell'avanzamento ad eccentrico
movimiento (m) de avance por excéntrica

---

2 Kronradgesperre (n)
ratchet feed
mécanisme (m) d'avance par roue à rochet à denture latérale et cliquet

a

механизмъ (m) подачи, состоящій изъ храпового колеса съ зубцами на боковой поверхности и собачки
nottolino (m) di arresto (sulla corona dentata)
mecanismo (m) de avance por engranaje de corona y trinquete

---

3 Kronrad (n), Sperrad (n)
crown wheel
roue (f) à rochet

b

храповое колесо (n) съ зубцами на боковой поверхности
corona (f) dentata
engranaje (m) de corona

---

4 Druckschaltung (f), Schaltung (f) durch Reibräder
friction feed motion
commande (f) de l'avance par friction

подача (f) помощью фрикціонныхъ колёсъ
dispositivo (m) a frizione dell'avanzamento
impulsión (f) por presión de ruedas de fricción

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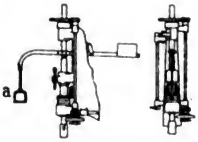
5 schneller Vorschub (m) von Hand, Schnellhandsteuerung (f)
quick hand motion for lowering the spindle
commande (f) de l'avance rapide à main



ручная подача (f) въ быстроходныхъ станкахъ
dispositivo (m) di avanzamento veloce a mano
impulsión (f) rápida del avance á mano

---

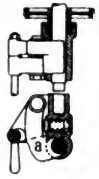
6 Handhebel (m)
hand lever
levier (m) à main

a

ручной рычагъ (m)
leva (f) a mano
palanca (f) á mano

---

7 Schaltmutter (f)
nut for feed screw
écrou (m) de commande de l'avance



гайка (f) винта для подачи
madrevite (f) dell'avanzamento
tuerca (f) de impulsión vertical

---

8 ausrückbare Mutter (f)
nut capable of disengagement
écrou (m) débrayable

расцѣпляющаяся [съ винтомъ] гайка (f); расцѣпная гайка
madrevite (f) disinnestabile
tuerca (f) desembragable

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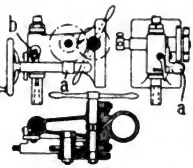
Mutterbacken (m)
arm of the nut
coussinet (m) d'écrou

a

щеки (f pl) расцѣпляющейся гайки
cuscinetto (m) *o* ganascia (f) di madrevite
mordazas (f pl) de la tuerca

1

Bohrschlitten (m) mit Handsteuerung
drill spindle carriage with hand feed
poupée (f) *ou* chariot (m) de perçage avec avance *ou* descente à la main



переставная бабка (f) сверлильнаго шпинделя съ ручной подачей
testa (f) del mandrino con avanzamento a mano
carro (m) de taladrar con impulsión á mano

2

Fallschnecke (f)
worm with disengaging motion
vis (f) sans fin débrayable, vis (f) basculante

a

расцѣпляющійся, откидывающійся червякъ (m)
vite (f) perpetua *o* senza fine distaccabile
tornillo (m) sin fin desembragable *ó* de báscula

3

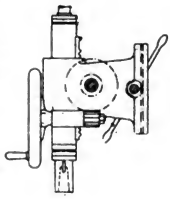
Fangschraube (f)
locking screw
vis (f) d'embrayage

b

болтъ (m), ограничивающій ходъ; упорный винтъ (m)
vite (f) di innesto
tornillo (m) de embrague

4

Bohrschlitten (m) mit getrennter Steuerung
drill spindle carriage with independent feed motion
poupée (f) *ou* chariot (m) de perçage à commandes séparées du déplacement vertical



переставная бабка (f) сверлильнаго шпинделя съ отдѣльнымъ отъ шпинделя механизмомъ для перемѣщенія
testa (f) del mandrino con avanzamento indipendente
carro (m) de taladrar con impulsión separada

5

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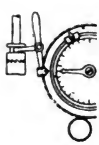
selbsttätiger Vorschub (m), selbsttätige Bohrerzuschiebung (f)
self-acting feed of spindle
avance (f) automatique, descente (f) automatique

автоматическая подача (f) сверла; самоходъ (m) сверла
avanzamento (m) *o* discesa (f) automatica del mandrino
avance (m) automático de la broca

6

Selbstauslösung (f) *oder* automatische Auslösung (f) *oder* Selbstausrückung (f) des Vorschubs
automatic disconnection of feed
débrayage (m) automatique de l'avance



автоматическое расцѣпленіе (n) подачи
disinnesto (m) automatico dell'avanzamento *o* della discesa
desembrague (m) automático del avance de la herramienta

7

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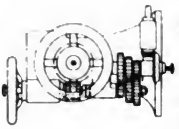
Selbstgang (m), Selbststeuerung (f)
self-acting feed
1 avance (f) automatique, descente (f) automatique

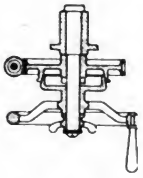
автоматическая подача (f); самоходъ (m)
avanzamento (m) automatico, discesa (f) automatica
impulsión (f) automática, avance (m) automatico

Bohrschlitten (m) mit Selbststeuerung *oder* mit selbsttätigem Vorschub
2 drill spindle carriage with self-acting feed
poupée (f) *ou* chariot (m) de perçage avec avance automatique



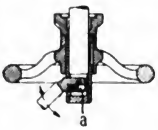
переставная бабка (f) сверлильнаго шпинделя съ самоходомъ
testa (f) del mandrino con avanzamento automatico *o* con discesa automatica
carro (m) de taladrar de movimiento de avance automático

Ausrückung (f) der Selbststeuerung
3 disconnecting the self-acting gear
débrayage (m) de l'avance automatique



приспособление (n) для остановки самохода: выключеніе (n) *или* расцѣпленіе (n) самохода
disinnesto (m) dell'avanzamento automatico *o* della discesa automatica
desembrague (m) del avance automático

Selbstverrieglung (f) *oder* automatische Verrieglung (f) des Handgriffs
4 automatic locking of the hand wheel
blocage (m) *ou* verrouillage (m) automatique de la poignée



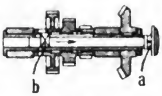
автоматическое закрѣпленіе (n) рукоятки
blocco (m) automatico del volantino a mano
fijación (f) automática de la manilla

Riegel (m)
5 bolt, latch
verrou (m)

a

запоръ (m)
catenaccio (m), spina (f)
pasador (m), cerrojo (m)

Ausrückstift (m), Ausrückknopf (m)
6 button for feed disconnection
bouton (m) de débrayage



a

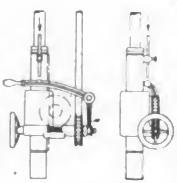
кнопка (f) для расцѣпленія
pomello (m) *o* bottone (m) di disinnesto
botón (m) de desembrague

Ziehkeil (m)
7 draw key
clavette (f) mobile *ou* coulissante

b

передвижная шпонка (f)
chiavetta (f) scorrevole
cuña (f) de acoplamiento

Selbstausrückung (f) *oder* Selbstauslösung (f) der Zahnkupplung
8 automatic disengagement of claw coupling *or* dog clutch
débrayage (m) automatique de l'accouplement à griffes



автоматическое выключеніе (n) *или* автоматическое расцѣпленіе (n) зубчатой муфты
disinnesto (m) automatico dell'innesto a denti
desembrague (m) automático del acoplamiento de engranajes

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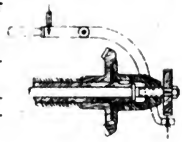
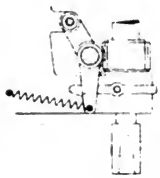
Selbstausrückung (f) der Reibkupplung
automatic disengagement of friction coupling
débrayage (m) automatique de l'accouplement à friction



автоматическое выключение (n) *или* автоматическое расцѣпленіе (n) фрикціонной муфты
disinnesto (m) automatico dell'innesto a frizione *1*
desembrague (m) automático del acoplamiento de fricción

Getriebeausklinkung (f)
disengaging mechanism of feed
déclanchement (m) *ou* débrayage (m) du mécanisme de l'avance



расцѣпленіе (n) механизма подачи
disinnesto (m) del meccanismo di comando *2*
desembrague (m) del movimiento de avance

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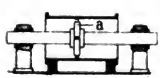
wandernder Bohrkopf (m) für Haupt- und Schaltbewegung
boring head with rotative and sliding motions
noix (f) d'alésage rotatif avec mouvement d'avance



a

суппортъ (m) сверлильнаго станка съ вращательнымъ движеніемъ и подачей [поступательнымъ движеніемъ]
testa (f) della barra di alesaggio con movimento di rotazione e di avanzamento *3*
cabezal (m) de taladrar móvil para movimiento de rotación y de avance

---

wandernde Bohrstange (f)
boring bar with rotary and sliding motion
barre (f) d'alésage coulissante

скалка (f) *или* оправка (f) [для расточки], имѣющая подачу
barra (f) di alesaggio con movimento di avanzamento *4*
barra (f) de taladrar corrediza

Werkstückbefestigung und Bohrer

Fixing of Work and Drill

Serrage de la pièce à usines et de l'outil

Укрѣпленіе обрабатываемаго предмета и сверла

Dispositivi di fissaggio e punte da trapano *5*

Sujeción de la pieza de labor y del hierro

Werkstückbefestigung (f) *oder* Aufspannen (n) durch Keile und Gegenkeile
fixing work by wedges
fixation (f) de la pièce par coins et contrecoins

закрѣпленіе (n) обрабатываемаго предмета при помощи клиньевъ
fissaggio (m) del pezzo a mezzo di cunei e controcunei *6*
sujeción (f) de la pieza de labor por medio de cuñas y contracuñas

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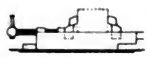
1 **Parallelschraubstock (m)**
parallel vice
étau-parallèle (m)



параллельные тиски (m pl)
morsa (f) parallela
tornillo (m) paralelo

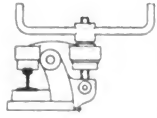
---

2 sperriges Werkstück (n)
awkward *or* unwieldy working piece
pièce (f) à travailler encombrante

громоздкій предметъ (m)
pezzo (m) ingombrante
pieza (f) de labor de dimensiones difíciles de colocar

---

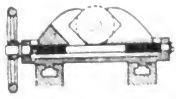
3 Schieneneinspannvorrichtung (f)
holder for drilling rails
dispositif (m) à fixer les rails



приспособленіе (n) для зажиманія рельсъ; зажимъ (m) для рельсъ
dispositivo (m) per fissare le rotaie, morsa (f) per rotaie
disposición (f) de sujetar carriles

---

4 Zentriervorrichtung (f), Aufspannvorrichtung (f) für Ankörnmaschinen
fixing device for centreing machine
dispositif (m) de fixation pour machines à centrer



приспособленіе (n) *или* тиски (m pl) для зажиманія предмета на центровочномъ станкѣ
dispositivo (m) di fissaggio *o* morsa (f) per macchine da centrare
disposición (f) de sujeción para máquinas de centrar

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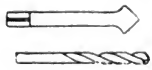
5 **Bohrer (m)**
drill
foret (m), mèche (f)



сверло (n)
punta (f) da trapano
broca (f), mecha (f), taladro (m)

---

6 **Spitzbohrer (m)**
pointed drill
foret (m) *ou* mèche (f) à langue d'aspic

перовое сверло (n); [перка (f)]
punta (f) comune, mecchia (f) appuntita
broca (f) forjada ordinaria de punta

---

7 **Zentrumbohrer (m)**
centre drill
mèche (f) *ou* foret (m) à téton *ou* à centre

центровое сверло (n) центровая перка (f)
punta (f) a centro
broca (f) de centrar

---

8 **Spiralbohrer (m)**
twist drill
foret (m) hélicoïdal, mèche (f) hélicoïdale

спиральное сверло (n); американское сверло
punta (f) a spirale, punta (f) americana
broca (f) espiral

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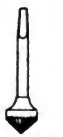
Kanonenbohrer (m)
gun boring drill
foret (m) à canon, mèche (f) à canon

пушечное сверло (n)
punta (f) a cannone
broca (f) para horadar cañones 1

Versenkbohrer (m), Versenker (m), Krauskopf (m)
countersink, rosebit
fraise (f) conique *ou* champignon



зенковка (f); зинковка (f); фреза (f) для коническаго разсверливанія отверстій
punta (f) per acciecare, acciecatoio (m)
broca (f) avellanadora, fresa (f) á centrar 2

Ankörnbohrer (m)
countersinking bit
mèche (f) *ou* foret (m) à centrer

сверло (n) для нанесенія *или* для намѣтки центровъ
punta (f) per centrare
broca (f) de marcar 3

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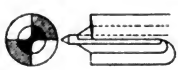
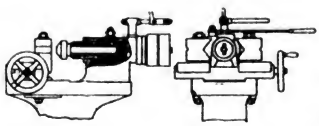
dreiteiliger Ankörnbohrer (m)
countersinking bit in three pieces
foret (m) à centrer combiné



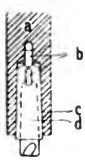
составное (изъ трехъ частей) сверло (n) для нанесенія центровъ
punta (f) per centrare combinata
broca (f) de marcar compuesta de tres partes 4

Ankörnmaschine (f)
centreing machine
machine (f) à centrer



станокъ (m) для высверливанія центровыхъ отверстій; центровочный станокъ; центровальный станокъ
macchina (f) da centrare
máquina (f) de centrar (piezas cilindricas para ser torneadas entre puntas) 5

Bohrerbefestigung (f)
method of drill holding
fixation (f) du foret



закрѣпленіе (n) сверла
fissaggio (m) *o* montaggio (m) della punta
sujeción (f) de la broca 6

[Bohr-]Spindelkopf (m), Kopf (m) der Bohrspindel
spindle nose
nez (m) de la broche

a

головка (f) сверлильнаго шпинделя
testa (f) del mandrino del trapano
cabeza (f) del husillo de taladrar 7

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1 Keilloch (n)
cotter hole
trou (m) pour coin a chasser

b

клиновое отверстіе (n)
finestra (f) *od* apertura (f) per la chiavetta
agujero (m) de la cuña

---

2 Einsatzstück (n), Bohrhülse (f), Konushülse (f)
socket
douille (f) *ou* manchon (m) conique de réduction

c

переходный *или* вспомогательный патронъ (m)
bussola (f) di riduzione
boquilla (f)

---

3 Bohrerzapfen (m), konischer Zapfen (m)
shank of drill
cône (m) du foret

d

головка (f) сверла
gambo (m) *o* coda (f) della punta
espiga (f) *ó* mango (m) de la broca

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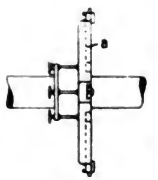
4 Ausbohrkopf (m), Bohrkopf (m), Bohrfutter (n)
cutter head
plateau (m) d'alésage, plateau (m) portelames



патронъ (m) сверлильнаго станка
testa (f) *o* mandrino (m) *o* piattaforma (f) portapunta
cabezal (m) de taladrar, mandril (m)

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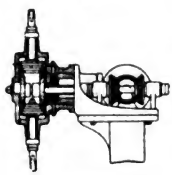
5 Revolverbohrkopf (m)
revolving cutter head
porte-foret (m) revolver



револьверный патронъ (m) сверлильнаго станка
testa (f) *o* piattaforma (f) portapunta a revolver
cabezal-revólver (m) para taladrar

---

6 Lagerung (f) der Bohrstange in Kugelzapfen
ball socketed bearing for boring bar
support (m) de la barre d'alésage à coussinet sphérique

установка (f) сверлильной оправки на шаровой цапфѣ *или* пятѣ
sopporto (m) sferico della barra da alesare
colocación (f) de la barra de taladrar en espiga esférica

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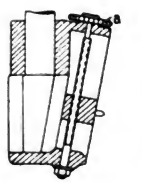
7 Sternrad (n), Faulenzer (m)
star wheel
manette (f)



звѣздчатка (f); звѣздочка (f)
volantino (m), crociera (f)
rueda (f) á mano

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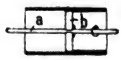
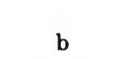
Bohrstange (f), Bohrspindel (f), Ausbohrspindel (f), Bohrwelle (f)
cutter *or* boring bar *or* spindle
barre (f) *ou* arbre (m) d'alésage



a

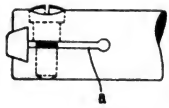
сверлильная оправка (f) *или* скалка (f); растачивающая оправка (f)
barra (f) di alesaggio *o* per ripassare fori *1*
barra (f) *ó* eje (m) de barrenar

Bohrmesser (n), Bohrschneide (f), Bohrmeißel (m), Bohrstichel (m)
boring cutter
lame (f) d'alésage


b

рѣзецъ (m) для разсверливанія; растачивающій рѣзецъ
ferro (m) *od* utensile (m) *o* coltello (m) da alesatrice *2*
acero (m) *ó* cuchilla (f) de barrenar

Halter (m) für Ausbohrstähle
cutter holder
porte-outils (m) d'alésage



державка (f) рѣзцовъ для разсверливанія
portautensili (m) per utensili da alesare *3*
porta-cuchillas (m)

---

geschlitzte Bohrstange (f)
slit nosed boring bar
barre (f) d'alésage fendue

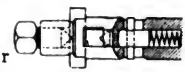
a

разрѣзная оправка (f) *или* скалка (f) для разсверливанія
barra (f) di alesaggio spaccata *4*
barra (f) de barrenar partida

Bohrstange (f) für kegel-[förm]ige Löcher
boring bar for conical holes
barre (f) d'alésage pour trous coniques

[сверлильная] оправка (f) *или* скалка (f) для разсверливанія коническихъ отверстій
barra (f) di alesaggio per fori conici *5*
barra (f) de taladrar para agujeros cónicos

Bohrstange (f) für zwei Stichel
boring bar for two cutters
barre (f) d'alésage pour deux outils



оправка (f) *или* скалка (f) для разсверливанія двумя рѣзцами
barra (f) di alesaggio per due utensili *6*
barra (f) *ó* árbol (m) de barrenar para dos cuchillas

Bohrstange (f) für nachstellbare Stichel
boring bar for adjustable cutter
barre (f) d'alésage pour outils ajustables *ou* réglables

оправка (f) *или* скалка (f) для разсверливанія устанавливающимися рѣзцами
barra (f) di alesaggio per utensili registrabili *7*
árbol (m) de barrenar para herramientas graduables

---

auswechselbare Bohrstange (f)
changeable boring bar
barre (f) d'alésage interchangeable *ou* amovible

смѣнная оправка (f) *или* скалка (f) для разсверливанія
barra (f) di alesaggio ricambiabile *8*
árbol (m) de barrenar intercambiable

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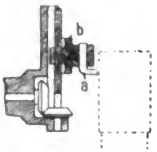

Schwärmer (m), fliegender Support (m)
facing arm
1 porte-outil (m) tournant à dresser *ou* à déraser, dresseur (m), support (m) à dresser

вращающійся патронъ (m) *или* суппортъ (m) [для обточки фланцевъ цилиндровъ]
testa (f) portautensili per sfacciare *o* per tornire di testa *o* in piano
porta-útil (m) de trabajo giratorio

Schwärmerstichel (m)
tool of facing arm
2 lame (f) de porte-outil tournant à dresser *ou* à déraser, dresseur (m) — a

рѣзецъ (m) къ вращающемуся патрону [для обточки фланцевъ цилиндровъ]
utensile (m) per sfacciare *o* tornire di testa *o* in piano
herramienta (f) ó cuchilla (f) del porta-útil giratorio

---

gekröpfter Stichel (m)
3 cranked tool
outil (m) coudé, lame (f) coudée — a

изогнутый рѣзецъ (m)
utensile (m) curvo
cuchilla (f) acodada

Schwärmerstichelhaus (n)
4 tool box for facing arm
logement (m) de porte-outils dresseur — b

рѣзцовая коробка (f) вращающагося патрона [для обточки фланцевъ цилиндровъ]
portautensili (m) per sfacciare *o* tornire di testa *o* in piano
castillete (m) del porta-útil giratorio

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IV.

Gewindeschneidmaschinen

Screw Cutting Machines

Machines à fileter les vis *ou* à tarauder les écrous

Станки для нарѣзанія винтовой рѣзьбы

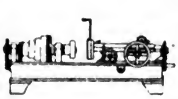
Macchine da filettare

Máquinas de roscar

Gewindeschneidmaschine (f), Schraubenschneidmaschine (f)
screw cutting machine
machine (f) à fileter les vis *ou* à tarauder les écrous *ou* pour boulonnerie

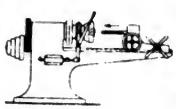
станокъ для нарѣзанія винтовой рѣзьбы; винторѣзный станокъ (m)
macchina (f) da filettare, filettatrice (f) 1
máquina (f) de roscar *ó* de roscar tornillos

Bolzengewindeschneidmaschine (f), Spindelschneidmaschine (f)
bolt screwing machine
machine (f) à fileter les boulons *ou* les vis



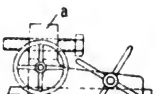
болторѣзный станокъ (m)
macchina (f) da filettare bulloni *o* viti, filettatrice (f) per viti *o* bulloni 2
máquina (f) de roscar pernos *o* husillos

Mutter[n]schneidmaschine (f), Gewindebohrmaschine (f)
nut tapping machine
machine (f) à tarauder (les écrous)



станокъ (m) для нарѣзки гаекъ
filettatrice (f) per dadi, macchina (f) da maschiare 3
máquina (f) de roscar *ó* de cortar tuercas

Spannstock (m), Rahmen (m)
saddle, vice
chariot (m) de serrage, étau (m) de fixation



тиски (m pl) болторѣзнаго станка
morsa (f), morsetto (m) 4
carro (m) de sujeción

Klemmbacke (f)
gripping jaw
mordache (f) *ou* coussinet (m) de serrage

a

зажимная губа (f)
ganascia (f) della morsa 5
mordaza (f) de sujeción

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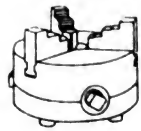
Zentrierkopf (m), zentrisch spannendes Futter (n)
1 self-centreing chuck
chuck (m) *ou* plateau (m) de serrage à centrage automatique



самоцентрирующій патронъ (m)
piattaforma (f) *o* mandrino (m) autocentrante
plato (m) de centrar

Dreibackenfutter (n)
2 chuck with three jaws
chuck (m) à trois mâchoires

зажимной патронъ (m) съ тремя плашками
mandrino (m) a tre ganasce
plato (m) de centrar de tres mordazas

Vierbackenfutter (n)
3 chuck with four jaws
chuck (m) à quatre mâchoires

зажимной патронъ (m) съ четырьмя плашками
mandrino (m) a quattro ganasce
plato (m) de centrar de cuatro mordazas

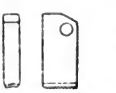
Hohlspindel (f)
4 hollow spindle
arbre (m) creux

полый шпиндель (m); пустотѣлый винтовой стержень (m)
mandrino (m) cavo
husillo (m) hueco

Schneideisen (n), Schneidkluppe (f), Kluppe (f)
5 screw die
filière (f), porte-filière (m)

клуппъ (m): клупикъ (m)
filiera (f)
terraja (f)

Gewindeschneidbacke (f), Schneidbacke (f)
6 screw stocks, chaser (A)
coussinet (m) de filière



плашки (f pl); лисички (f pl)
cuscinetto (m) per filettare
mordaza (f) ó cojinete (m) de roscar

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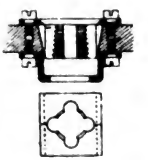
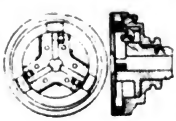
zweiteiliges Schneideisen (n)
7 screw die in halves
filière (f) à deux coussinets



клуппъ (m) *или* клупикъ (m), состоящій изъ двухъ частей: сдвоенный клуппъ
cuscinetto (m) in due meta *o* in due parti
terraja (f) de cojinete partido

[Gewinde-] Schneidkopf (m)
8 screwing chuck
cage (f) de filière



болторѣзная головка (f); винторѣзный патронъ (m)
filiera (f), testa (f) portacuscinetti, mandrino (m) portacuscinetti
bastidor (m) de hilera

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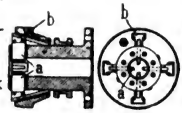
selbstauslösender Schneidkopf (m)
screwing chuck with automatic release
cage (f) de filière automatique, filière (f) à ouverture automatique

болторѣзная головка(f) съ автоматическимъ раздвиганіемъ плашекъ
filiera (f) ad apertura automatica
bastidor (m) de hilera automático

1

umlaufender *oder* rotierender Schneidkopf (m)
rotary screwing chuck
filière (f) rotative



вращающаяся болторѣзная головка (f)
filiera (f) rotativa *o* girevole
hilera (f) giratoria

2

Schneidmesser (n)
cutting die
peigne (f) de filière

a

плашка (f)
coltello (m) *o* pettine (m) della filiera
acero (m) *ó* cuchillo (m) de roscar

3

Stahlkappe (f)
steel cap
chapeau (m) en acier [porte-outil]

b

стальная головка (f) [для укрѣпленія плашки]
piastra (f) di ritegno dei coltelli
zapato (m) porta-cuchillo, sombrero (m) porta-cuchillo

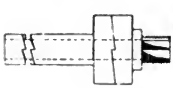
4

feststehender Schneidkopf (m)
fixed die head
filière (f) fixe

неподвижная болторѣзная головка (f)
filiera (f) fissa
hilera (f) fija

5

Gewindebohrer (m), Schneidbohrer (m)
screw tap
taraud (m)



метчикъ (m)
maschio (m)
macho (m) de roscar

6

nachstellbarer Gewindeborer (m)
adjustable tap
taraud (m) ajustable

регулируемый метчикъ (m); метчикъ съ перемѣнными перестанавливаемыми плашками
maschio(m)aggiustabile
macho (m) graduable

7

fahrbare Bohr- und Gewindeschneidmaschine (f)
portable drilling and tapping machine
machine (f) à tarauder et à percer transportable

переносный сверлильно-нарѣзной станокъ (m)
trapano-filettatrice (f) trasportabile
máquina (f) portatil de barrenar y roscar

8

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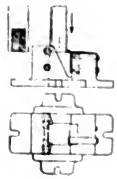
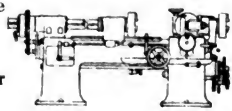


1 Gewinde[kalt]walzmaschine (f)
screw thread rolling machine
machine (f) a laminer (à froid) les filets de vis

станокъ (m), нарѣзающій винтъ путёмъ [холодной] прокатки
laminatrice (f) a freddo per filettare
máquina (f) de roscar en frío á presión



2 Gewindefräsmaschine (f)
thread milling machine
machine (f) à fraiser les vis

фрезерный винторѣзный станокъ (m); станокъ для фрез[ер]ованія винтовъ
fresatrice (f) per filettare, macchina (f) per fresare le viti
máquina (f) de fresar roscas

---

3 Gewinde (n)
thread
filet (m), filetage (m)

нарѣзка (f); рѣзьба (f)
filetto (m)
filete (m)

---

4 Whitworthgewinde (n)
Whitworth thread
filet (m) Whitworth, filetage (m) au pas Whitworth

нарѣзка (f) *или* рѣзьба (f) Витворта
filetto (m) Whitworth
filete (m) Whitworth

---

5 Sellersgewinde (n)
Sellers thread
filet (m) Sellers

нарѣзка (f) *или* рѣзьба (f) Селлерса
filetto (m) Sellers
filete (m) Sellers

---

6 Gewinde (n) des Vereins deutscher Ingenieure V. d. I. (Association of German Engineers) thread
filet (m) de l'association des ingénieurs allemands

нарѣзка (f) *или* рѣзьба (f) Союза германскихъ инженеровъ
filetto (m) dell'associazione degli ingegneri tedeschi
filete (f) de la asociación de los ingenieros alemanes

---

7 Löwenherzgewinde (n)
Löwenherz thread
filet (m) système Löwenherz

нарѣзка (f) *или* рѣзьба (f) Лёвенгерца
filetto (m) alla Löwenherz
filete (m) sistema Löwenherz

---

8 nternationales metrisches Gewinde (n), S-J-Gewinde (n), Millimetergewinde (n)
metric thread
filet (m) millimétrique *ou* du système décimal

нарѣзка (f) S-J; международная метрическая рѣзьба (f)
filetto (m) metrico *o* decimale
filete (m) métrico *ó* del sistema decimal

---

9 Spitzgewinde (n)
angular *or* triangular thread
filet (m) triangulaire

остроугольная нарѣзка (f); треугольная рѣзьба (f)
filetto (m) triangolare
filete (m) triangular

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Flachgewinde (n)
square thread
filet (m) plat, filet (m) rectangulaire, filet (m) carré

прямоугольная нарѣзка (f) *или* рѣзьба (f)
filetto (m) quadrangolare *1*
filete (m) cuadrado

Trapezgewinde (n)
trapezoidal thread
filet (m) trapézoïdal

трапецевидная нарѣзка (f) *или* рѣзьба (f) *2*
filetto (m) trapeziforme
filete (m) trapezoidal

Gasgewinde (n)
gas thread
filet (m) des tuyaux à gaz

газовая нарѣзка (f); рѣзьба (f) для газовыхъ трубъ
filetto (m) per tubi da gas *3*
filete (m) de los tubos de gas

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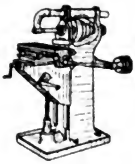
V.

Fräsmaschinen — Фрезерные станки
Milling Machines — Fresatrici
Fraiseuses — Fresadoras

Typen und Gestelle — Типы и станины
1 Types and Frames — Tipi e incastellature
Types et bâtis — Tipos y bastidores

2 Fräsmaschine (f)
milling machine
machine (f) à fraiser, fraiseuse (f)

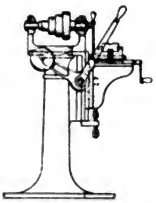


фрезерный *или* шарошечный станокъ (m)
fresatrice (f)
máquina (f) de fresar, fresadora (f)

3 Metallfräsmaschine (f)
metal milling machine
fraiseuse (f) *ou* machine (f) à fraiser les métaux

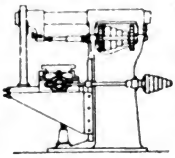
фрезерный *или* шарошечный станокъ (m) для металловъ: станокъ для фрез[ер]ованія металловъ; металлофрезерный станокъ
fresatrice (f) per metalli
fresadora (f) para metales

4 Handfräsmaschine (f), Fräsmaschine (f) mit Handvorschub
hand milling machine
fraiseuse (f) *ou* machine (f) à fraiser [avec chariots *ou* avance] a main



фрезерный *или* шарошечный станокъ (m) съ подачей отъ руки
fresatrice (f) a mano
fresadora (f) á mano, fresadora (f) con los movimientos de la mesa a mano

5 allgemeine Fräsmaschine (f), Universalfräsmaschine (f)
universal milling machine
fraiseuse (f) universelle, machine (f) à fraiser universelle



универсальный фрезерный *или* шарошечный станокъ (m)
fresatrice (f) universale
fresadora (f) universal

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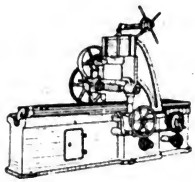
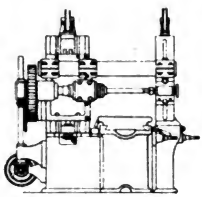
Planfräsmaschine (f)
surface milling machine
fraiseuse (f) *ou* machine (f) à fraiser raboteuse



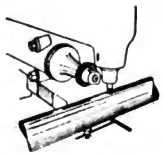
фрезерный станокъ (m) для плоскостей; шарошечный станокъ для фрез[ер]ованія плоскостей 1
fresatrice (f) a pialla
fresadora (f) de planear

Langfräsmaschine (f), Parallelfräsmaschine (f)
"Lincoln" pattern milling machine
fraiseuse (f) parallèle, machine (f) à fraiser longitudinale



фрезерный станокъ (m) строгальнаго типа; продольный шарошечный станокъ; продольно-фрезерный станокъ 2
fresatrice (f) Lincoln, fresatrice (f) automatica
fresadora (f) paralela, fresadora (f) Lincoln

Langlochfräsmaschine (f), [Keil-]Nutenfräsmaschine (f)
machine for milling grooves
fraiseuse (f) double *ou* machine (f) double à fraiser les rainures

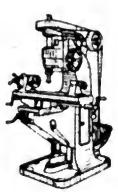


шпоночно-фрезерный станокъ (m)
fresatrice (f) per cave *o* per scanalature 3
fresadora (f) doble de hacer ranuras

doppelte Langfräsmaschine (f), Langfräsmaschine (f) mit doppeltem *oder* zweiseitigem Antrieb
double horizontal milling machine
fraiseuse-raboteuse (f) double

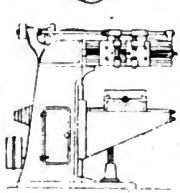
двойной продольный фрезерный *или* шарошечный станокъ (m); фрезерный станокъ строгальнаго типа съ двумя горизонтальными шпинделями 4
fresatrice (f) doppia a pialla
fresadora-acepilladora (f) doble

einspindlige Fräsmaschine (f)
single spindle milling machine
machine (f) à fraiser verticale simple *ou* à une broche



одношпиндельный фрезерный *или* шарошечный станокъ (m) 5
fresatrice (f) verticale ad un mandrino
fresadora (f) de un husillo

zweispindlige Fräsmaschine (f)
double spindle milling machine
machine (f) à fraiser verticale double *ou* à deux broches



двухшпиндельный фрезерный *или* шарошечный станокъ (m) 6
fresatrice (f) verticale a due mandrini
fresadora (f) de dos husillos

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1 Doppelfräsmaschine (f)
double milling machine
machine (f) à fraiser double *ou* machine (f) à fraiser à deux broches horizontales

двойной фрезерный станокъ (m); шарошечный станокъ съ двумя противоположными бабками
fresatrice (f) doppia
fresadora (f) de dos cabezales [para piezas de robineteria]

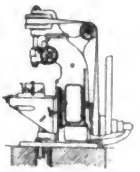
---

2 Schnellfräsmaschine (f)
high speed milling machine
fraiseuse (f) rapide *ou* à acier rapide, machine (f) à fraiser rapide

быстроходный фрезерный *или* шарошечный станокъ (m)
fresatrice (f) rapida
fresadora (f) rápida

---

3 senkrechte *oder* vertikale Fräsmaschine (f), Vertikalfräsmaschine (f), Fräsmaschine (f) mit senkrechter Spindel
vertical milling machine
machine (f) à fraiser *ou* fraiseuse (f) verticale



вертикальный фрезерный станокъ (m); шарошечный станокъ съ вертикальнымъ шпинделемъ
fresatrice (f) verticale
fresadora (f) de husillo vertical

---

4 Langfräsmaschine (f) mit Walzenfräser (zum Planfräsen großer ebener Flächen)
slab milling machine
fraiseuse-raboteuse (f) (pour dresser de grandes surfaces)

фрезерный станокъ (m) строгальнаго типа для шарошенія большихъ плоскостей; продольно-шарошечный станокъ для фрез[ер]ованія большихъ плоскостей
fresatrice (f) a pialla per grandi superfici
fresadora-acepilladora (f) (para grandes superficies)

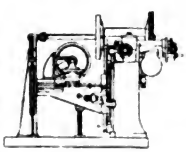
---

5 Räderfräsmaschine (f), Zahnräderfräsmaschine (f)
gear cutting machine
machine (f) à fraiser à tailler les engrenages

зуборѣзный фрезерный станокъ (m); шарошечный станокъ для нарѣзанія зубчатыхъ колёсъ
fresatrice (f) per ingranaggi *o* per denti d'ingranaggi
fresadora (f) de tallar engranajes

---

6 Schneckenradfräsmaschine (f), Wurmradfräsmaschine (f)
worm gear milling machine
machine (f) à fraiser les roues hélicoïdales *ou* pour vis sans fin



фрезерный *или* шарошечный станокъ (m) для нарѣзанія червячныхъ колёсъ
fresatrice (f) per ingranaggi a denti elicoidali
máquina (f) de tallar ruedas helicoidales

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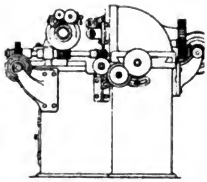
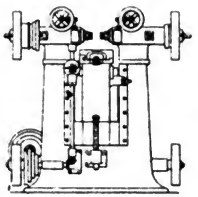
Schneckenfräsmaschine (f), Wurmfräsmaschine (f)
milling machine for worms *or* endless screw
machine (f) à fraiser les vis sans fin



фрезерный *или* шарошечный станокъ (m) для нарѣзанія червяковъ
fresatrice (f) per viti perpetue *o* senza fine
máquina (f) de fresar husillos de tornillo sin fin

1

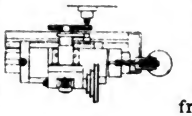
Ansatzfräsmaschine (f), Armaturenfräsmaschine (f)
machine for milling valves, cocks etc.
machine (f) à fraiser les embases



фрезерный *или* шарошечный станокъ (m) для нарѣзанія арматурныхъ частей
fresatrice (f) doppia per piani paralleli
fresadora (f) de dos cabezales para embases

2

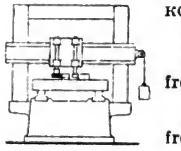
Kurvenfräsmaschine (f)
curve milling machine
machine (f) à fraiser en courbes, machine (f) à fraiser à reproduction suivant gabarit, fraiseuse (f) à copier *ou* à reproduire les courbes



станокъ (m) для фрез[ер]ованія фасонныхъ канавокъ и кулаковъ; шарошечно-копировальный станокъ (m) для фрез[ер]ованія кривыхъ поверхностей по шаблону
fresatrice (f) per superfici curve
máquina (f) de fresar curvas

3

Kopierfräsmaschine (f)
copy milling machine
machine (f) à fraiser suivant gabarit, fraiseuse (f) à copier *ou* à reproduire



копировальный фрезерный станокъ (m); копировально-шарошечный станокъ
fresatrice (f) *o* macchina (f) da copiare, pantografo (m)
fresadora (f) copiadora

4

Kopierspindel (f), Führungsspindel (f)
copy spindle
tige (f) de contact, doigt (m) à suivre

копирующій шпиндель (m); направляющій шпиндель
dito (m) copiatore, spina (f) copiatrice
varilla (f) de copiar

5

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selbsttätige *oder* automatische Fräsmaschine (f)
self-acting *or* automatic milling machine
fraiseuse (f) automatique, machine (f) à fraiser automatique

автоматическій фрезерный станокъ (m); самодѣйствующій шарошечный станокъ
fresatrice (f) automatica
fresadora (f) automática [para planear y perfilar con fresa cilíndrica]

6

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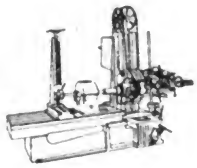
1 liegende Bohr- und Fräsmaschine (f)
horizontal boring and milling machine
machine (f) à percer *ou* à aléser et fraiser horizontale



горизонтально-сверлильный и фрезерный *или* шарошечный станокъ (m)
alesatrice-fresatrice (f) orizzontale combinata
máquina (f) de barrenar y fresar horizontal

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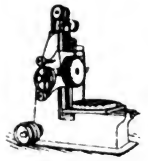
2 senkrechte Abrichtmaschine (f) mit Messerköpfen
vertical rotary planing machine *or* planer
fraiseuse-raboteuse (f) à plateau porte-outils vertical



вертикальный строга[те]льный станокъ (m) съ вращающимся патрономъ, несущимъ рѣзцы
fresatrice (f) a pialla con piattaforma portautensili verticale
fresadora-acepilladora (f) con plato porta-útiles vertical

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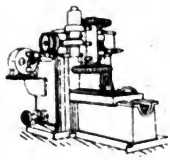
3 wagrechte Abrichtmaschine (f) mit Messerköpfen
vertical spindle rotary planing machine
fraiseuse-raboteuse (f) a plateau porte-outils horizontal



горизонтальный строга[те]льный станокъ (m) съ вращающимся патрономъ, несущимъ рѣзцы
fresatrice (f) a pialla con piattaforma portautensili orizzontale
fresadora-acepilladora (f) con plato porta-útiles horizontal

---

4 Fräsmaschinenständer (m), Ständer (m), Fräsmaschinengestell (n)
milling machine standard *or* upright
montant (m) *ou* bâti (m) de machine à fraiser

станина (f) шарошечнаго станка; станина фрезернаго станка
incastellatura (f) della fresa
cuerpo (m) de la fresadora

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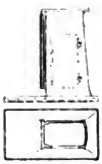
5 kastenartiges Untergestell (n), Untersatz (m)
box section underframe
bâti (m) creux [formant armoire]



коробчатая станина (f)
basamento (m) a cassa
parte (f) inferior hueca [que puede servir de armario]

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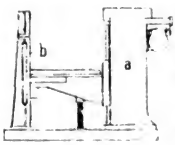
6 Hauptständer (m), Hauptbock (m)
main standard
montant (m) principal, bâti (m) principal



главная стойка (f)
incastellatura (f) principale, montante (m) principale
bastidor (m) principal

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Seitenständer (m), Nebenbock (m)
auxiliary standard
montant (m) de guidage

b

боковая *или* вспомогательная стойка (f)
sostegno (m) *o* montante (m) ausiliare
soporte (m) auxiliar

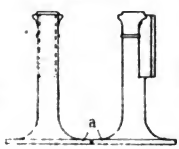
1

Bügelgestell (n), C-förmiges Gestell (n)
C-form standard
bâti (m) en forme de C, bâti (m) en col de cygne

станина (f) съ вылетомъ; станина вида буквы C
incastellatura (f) a C *od* a collo d'oca
bastidor (m) en forma de C

2

Säule (f)
column, pillar
colonne (f), montant (m)



колонна (f); стойка (f)
colonna (f), pilastro (m)
columna (f)

3

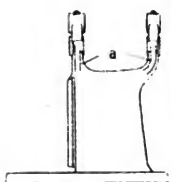
Säulenfuß (m)
foot of pillar *or* of column
base (f) de la colonne

a

подножка (f) колонны *или* стойки
piastra (f) di base della colonna, piede (m) della colonna
pie (m) de la columna

4

Vorgelegearm (m), Arm (m)
arm
bras (m)

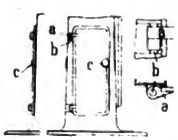


a

рукавъ (m)
braccio (m)
brazo (m)

5

Tür (f), Kastentür (f)
frame door
porte (f) [de l'armoire à outils]



дверца (f) *или* дверь (f) ящика
porta (f) dell'armadio
puerta (f) del armario

6

[Tür-]Knagge (f), Kloben (m)
hinge
charnon (m), douille (f)

a

приливъ (m) для дверного шарнира
cerniera (f)
anillo (m) de bisagra

7

Scharnierstift (m)
hinge pin
broche (f) de charnière

b

стержень (m) *или* болтъ (m) шарнира
spina (f) della cerniera
espiga (f) de la bisagra

8

Kordelknopf (m), [Tür-] Knopf (m)
knob
bouton (m) [de porte] molleté

c

задрайка (f); ручка (f); завёртка
maniglia (f) a forma di bottone, bottone (m)
manilla (f) en forma de botón

9

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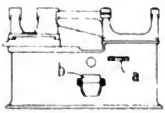
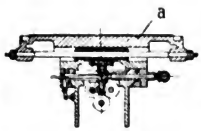
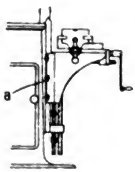
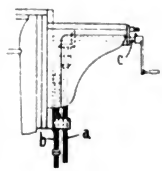
1	Werkzeugschale (f) tool shelf, tool pan plateau (m) à outils	 a	раковина (f) *или* выемка (f) для инструментовъ rastrelliera (f) degli utensili, piastra (f) portautensili tabla (f) porta-herramientas
2	Spanfall (m) cuttings pit *or* shoot bac (m) à copeaux	b	стружкоприёмникъ (m) recipiente (m) per i trucioli receptor (m) de virutas
3	Frästisch (m), Aufspanntisch (m) milling machine table table (f) de fraiseuse, table (f) de machine à fraiser, table (f) de fixation	 a	столъ (m) фрезернаго *или* шарошечнаго станка tavola (f) della fresa mesa (f) de fresadora
4	Winkeltisch (m), Konsole (f) knee, angle table console (f) de la table		кронштейнъ (m) *или* консоль (f) [рабочаго стола] mensola (f) mesa (f) de consola móvil
5	Leistenschraube (f) gib-screw vis (f) du listel	a	зажимной винтъ (m) vite (f) del lardone tornillo (m) prisionero del listón
6	[Ver-]Stellspindel (f), [Ver-]Stellschraube (f) regulating screw vis (f) de relevage	 a	установочный винтъ (m); винтъ для поднимания и опусканія vite (f) di sollevamento husillo (m) del movimiento de la mesa, tornillo (m) de levantamiento
7	Anschlagspindel (f) stop spindle tringle (f) portant les butées	b	упорный шпиндель (m) *или* болтъ (m) [для ограниченія хода суппорта *или* стола] albero (m) degli arresti husillo (m) del tope
8	Hubspindel (f), Antriebspindel (f) für das Hubwerk spindle for actuating raising *or* lowering screw arbre (m) de relevage	c	шпиндель (m) для подъёма vite (f) di manovra del sollevamento husillo (m) del curso de la mesa

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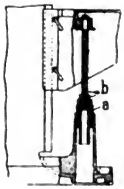
Schraubenwinde (f)
bottle jack
vérin (m)



винтовой домкратъ (m)
verricello (m) a vite
gato (m) de husillo roscado
1

Stützmutter (f)
supporting nut
écrou-support (m)

a

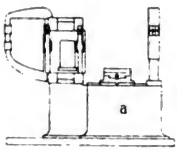
подпорная *или* опорная гайка (f)
madrevite (f) di sostegno
tuerca (f) de soporte
2

Ausziehspindel (f), Teleskopspindel (f)
telescopic screw
vis (f) télescopique

b

телескопическій шпиндель (m)
vite (f) telescopica
husillo (m) telescópico
3

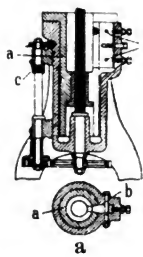
Kastenbett (n)
box bed
socle (m) *ou* bâti (m) formant caisson



коробчатая станина (f)
incastellatura (f) a cassa
bancada (f) en forma de caja
4

a

Tischhalter (m)
trunnion of table
support (m) de la table



a

подпора (f) *или* опора (f) стола
sopporto (m) della tavola
sujetador (m) de la mesa
5

Klemmbolzen (m)
clamping bolt
boulon (m) de serrage

b

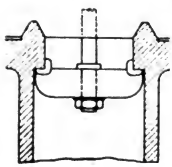
зажимной болтъ (m)
bullone (m) di chiusura *o* di serraggio
tornillo (m) de aprieto
6

Teilring (m)
graduated ring
anneau (m) gradué, anneau (m) diviseur

c

дѣлительное кольцо; кольцо (n) съ дѣленіемъ
anello (m) divisore
anillo (m) divisor
7

Spannbrücke (f)
bridge plate
bride (f) de serrage *ou* de fixation



зажимная скоба (f); мостикъ (m)
ponte (m), staffa (f)
puente (m) de tensión
8

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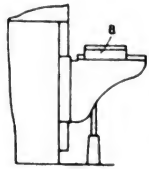
1 Tragstück (n), [Konsol-] Schieber (m), Langschlitten (m), Längsschlitten (m)
cross slide, support
support (m) à glissières de la table

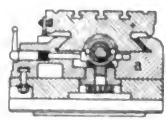


суппортныя салазки (f pl) стола; поперечныя салазки (f pl)
carrello (m) trasversale della tavola
soporte (m) corredizo de la mesa

2 Aufspannutisch (m), Tisch (m), Querschlitten (m)
table
table (f) *ou* plateau (m) [de fixation]

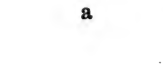
столъ (m) для укрѣпленія предметовъ; продольныя салазки (f pl)
tavola (f) di fissaggio dei pezzi
mesa (f) de sujeción

3 drehbarer Aufspanntisch (m)
revolving table for setting up work
table (f) de fixation pivotante



поворотный *или* вращающійся столъ (m) для укрѣпленія предметовъ
tavola (f) di fissaggio girevole *o* dei pezzi girevole
mesa (f) de sujeción giratoria

4 Drehscheibe (f), Drehtisch (m), Wendeschemel (m), Drehteil (m)
revolving base plate
plaque (f) pivotante



поворотный дискъ (m); вращающійся кругъ (m)
suola (f) *o* disco (m) girevole
disco (m) giratorio, placa (f) giratoria, mesa (f) giratoria

5 **Arbeitsweise und Antrieb**
Method of Working and Drive
Méthode de travail, commande

Способъ работы и передача
Metodo di lavoro ed avanzamento
Sistemas de trabajo, mecanismo de accionamiento

6 Fräsarbeit (f)
milling work
[travail (m) de] fraisage (m)

фрезерная *или* шарошечная работа (f)
fresatura (f), lavoro (m) alla fresatrice, lavoro (m) di fresa
trabajo (m) de fresar

7 Leistungsfähigkeit (f) des Fräsers
capacity of the milling cutter
débit (m) de la fraise, capacité (f) de travail de la fraise

производительность (f) шарошки *или* фрезы *или* фрезера
rendimento (m) della fresa
rendimiento (m) *o* capacidad (f) de la fresa

8 kommaformiger Span (m), Kommaspan (m)
comma shaped cutting
copeau (m) [en forme de] virgule

стружка (f) въ видѣ запятой
truciolo (m) a virgola *od* in forma di virgola
viruta (f) de forma de coma

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fräsen (v)
to mill
fraiser (v)

фреза[ер]овать; шарошить
fresare (v)
fresar (v)
1

Fräsen (n)
milling
fraisage (m)

фреза[ер]ованіе (n) шарошеніе (n)
fresatura (f)
fresado (m)
2

Fräserei (f)
milling shop
atelier (m) de fraisage

фрез[ер]овочная (f) фреза[ер]овочная мастерская (f)
officina (f) di fresatura, riparto (m) delle fresatrici
departamento (m) de fresado
3

---

abfräsen (v)
to mill off
fraiser (v), enlever (v) à la fraise

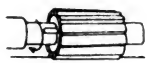
отфрез[ер]овать
fresare (v), ridurre (v) alla fresa
quitar (v) a fresa
4

---

eine ebene Fläche fräsen (v), gerade fräsen (v)
to mill a plan surface
fraiser (v) une surface plane, dresser (v) à la fraise

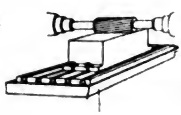
шарошить *или* фреза[ер]овать плоскость
fresare (v) un piano, fare (v) un piano a mezzo di fresa
fresar (v) una superficie plana
5

Planfräsen (n)
horizontal milling
fraisage (m) horizontal, dressage (m) à la fraise



горизонтальное шарошеніе (n); фреза[ер]ованіе (n) плоскостей
fresatura (f) orizzontale *o* di un piano
fresado (m) en plano, el planear à fresa
6

Langfräsen (n)
longitudinal *or* longsway milling
fraisage (m) en long, fraisage (m) longitudinal

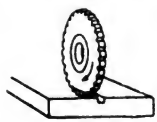


продольное шарошеніе (n) *или* фреза[ер]ованіе (n)
fresatura (f) longitudinale, fresatura (f) per il lungo
fresado (m) longitudinal
7

Nuten fräsen (v)
to mill grooves
fraiser (v) des rainures, rainer (v) à la fraise

шарошить канавки *или* пазы; фрез[ер]овать шпоночныя дорожки
fresare (v) cave *o* scanalature
fresar (v) ranuras
8

Einfräsen (n) von Nuten
milling of grooves
fraisage (m) de rainures, entaillage (m) de rainures à la fraise, défonçage (m) de rainures à la fraise



фреза[ер]ованіе (n) шпоночныхъ канавокъ; шарошеніе (n) шпоночныхъ дорожекъ
fresatura (f) di cave *o* di scanalature
fresado (m) de ranuras en una pieza
9

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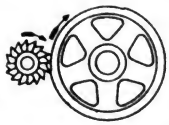
1 rundfräsen (v)
to mill circularly
tourner (v) à la fraise, fraiser (v) circulairement *ou* des surfaces cylindriques



производить токарную работу при помощи фрезы; фрез[ер]овать цилиндрическія поверхности при вращеніи фреа[ер]уемаго предмета; обтачивать круглые предметы фасонною фрезою
fresare (v) circolarmente
fresar (v) circularmente

---

2 Rundfräsen (n)
circular milling
tournage (m) à la fraise, fraisage (m) de surfaces cylindriques

производство (n) токарной работы при помощи фрезы; фрез[ер]ованіе (n) цилиндрическихъ поверхностей при вращеніи фреа[ер]уемаго предмета; фасонно-фрезерная обточка (f) круглыхъ прелметовъ
fresatura (f) circolare
fresado (m) circular

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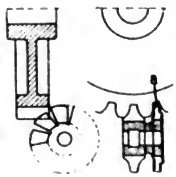
3 Zahnräder fräsen (v)
to mill teeth of gear *or* spur wheels
fraiser (v) des engrenages, tailler (v) des engrenages à la fraise



фрез[ер]овать *или* шарошить зубчатыя колёса
fresare (v) ingranaggi *o* denti d'ingranaggio
fresar (v) ruedas dentadas, tallar (v) engranajes

---

4 Zahnflankenfräsen (n)
milling faces of teeth
fraisage (m) des flancs de denture

фрез[ер]ованіе (n) *или* шарошеніе (n) боковыхъ поверхностей зубьевъ
fresatura (f) dei piani degli ingranaggi *o* dei denti d'ingranaggio
el fresar los flancos de los dientes de ruedas

---

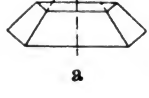
5 Vorschneiden (n) der Zahnlücken, Vorfräsen (n) der Zähne
roughing out the space between the teeth
ébauchage (m) des dents (des vides entre les dents)

a

первая подготовительная фреа[ер]овка (f) впадинъ зубьевъ: первый черновой проходъ (m) при вышарошиваніи впадинъ зубьевъ
sbozzatura (f) *o* sgrossatura (f) degli ingranaggi *o* dei denti d'ingranaggio
tallado (m) previo de los huecos entre los dientes

---

6 Fräswinkel (m)
milling angle
angle (m) de fraisage



a

уголъ (m) шарошенія *или* фреа[ер]ованія: уголъ наклона дѣлительнаго шпинделя
angolo (m) della fresatura
ángulo (m) de fresar

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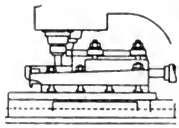
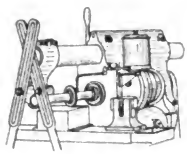
nach der Lehre *oder* nach der Schablone fräsen (v), (kopierfräsen (v))
to mill from a copy *or* template
fraiser (v) suivant gabarit



шарошить (m) *или* фрез[ер]овать по шаблону
fresare (v) su garbo *o* su modello
fresar (v) según plantilla

1

Fräserkühlung (f)
cooling of the cutter
rafraichissement (m) *ou* refroidissement (m) de la fraise



охлажденіе (n) шарошки *или* фрезы *или* фрезера
raffreddamento (m) della fresa
refrigeramiento (m) de la fresa

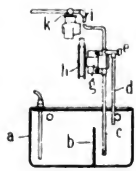
2

Kühlflüssigkeit (f)
cooling liquid
liquide (m) de refroidissement

охлаждающая жидкость (f)
liquido (m) raffreddante
líquido (m) refrigerante

3

Ölbehälter (m), Ölgefäß (n)
oil tank
réservoir (m) à huile



a

резервуаръ (m) для масла
serbatoio (m) *o* recipiente (m) per l'olio
depósito (m) de aceite

4

Zwischenwand (f)
dividing wall
cloison (m)

b

перегородка (f)
paratoia (f), parete (f) di divisione
pared (f) de separación

5

Saugrohr (n)
suction pipe
tuyau (m) d'aspiration

c

всасывающая труба (f)
tubo (m) d'aspirazione
tubo (m) de aspiración

6

Überlaufrohr (n)
overflow pipe
tuyau (m) de trop-plein

d

труба (f) переполненія; сливная *или* переливная труба
tubo (m) di troppopieno
tubo (m) de desagüe

7

Überlaufventil (n)
overflow valve
robinet (m) *ou* valve (f) [de réglage] du trop-plein

e

кранъ (m) переполненія; сливной вентиль (m)
valvola (f) di troppopieno
válvula (f) de desagüe

8

Flügelpumpe (f)
centrifugal pump
pompe (f) à ailettes

g

крыльчатый насосъ (m)
pompa (f) ad alette *o* centrifuga
bomba (f) de aletas

9

Ölpumpenantrieb (m)
drive of oil pump
commande (f) de la pompe à huile

h

приводъ (m) насоса для масла
comando (m) della pompa dell'olio
mecanismo (m) motor de la bomba de aceite

10

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1 Kurbelscheibe (f)
crank plate
plateau (m) à manivelle

дискъ (m) съ кривошипомъ *или* съ рукоятко̀й: кривошипный дискъ
disco (m) a manovella
disco (m) de manivela

2 Kniestück (n)
elbow
coude (m), genou (m)

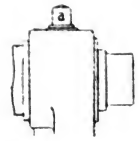
i

колѣно (n)
gomito (m), raccordo (m) a gomito
codo (m)

3 Kugelstück (n)
ball joint
joint (m) sphérique

k

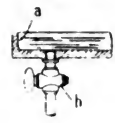
шаровое соединеніе (n)
raccordo (m) sferico
pieza (f) de unión esférica



4 Schmierhelm (m)
lubricator cap
chapeau (m) *ou* couvercle (m) de graisseur

крышка (f) маслёнки
coperchio (m) *o* tappo (m) del lubrificatore
cubierta (f) de engrasador

a



5 Sammeln (n) der Kühlflüssigkeit
collection of the cooling liquid
recueillement (m) du liquide refroidissant

собираніе (n) охлаждающей жидкости
raccolta (f) del liquido raffreddante
el recoger el líquido refrigerante

6 umlaufende Rinne (f)
collecting trough
rigole (f) collectrice circulaire

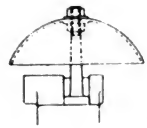
a

окружающій *или* обводный жёлобъ (m)
ribordo (m) per l'olio
canalón (m) en la circunferencia

7 Hahn (m), Ablaßhahn (m)
cock
robinet (m)

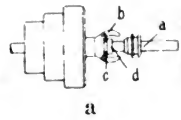
b

кранъ (m); спускной кранъ
robinetto (m)
llave (m) de paso



8 Glocke (f)
bell
timbre (m)

звонокъ (m)
campana (f), campanello (m)
timbre (m)



9 Antriebwelle (f)
driving shaft
arbre (m) de commande

a

приводный *или* главный валъ (m)
albero (m) di comando
árbol (m) motor, eje (m) motor

10 Kreuzkopf (m) [des Deckenvorgeleges]
crosshead of overhead countershaft
étrier (m) *ou* crosse (f) [de commande du renvoi de plafond], chape (f) *ou* bride (f) du renvoi de plafond

b

полаунъ (m) потолочнаго контръ-привода
testa (f) a croce del rinvio da soffitta *o* del rinvio pendente
brida (f) cruzada de la contra-marcha de techo

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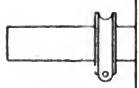
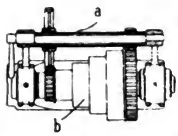
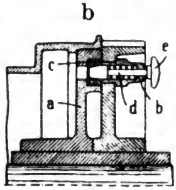
Kniehebel (m) toggle lever levier (m) coudé, genou (m)	c		колѣнчатый рычагъ (m) leva (f) a ginocchio palanca (f) acodada o angular	1
Stellmutter (f) adjusting nut écrou (m) de fixation *ou* de réglage	d		установочная гайка (f) dado (m) di fissaggio o di regolazione tuerca (f) de graduación	2
Klemmanschlag (m) clamping ring stop bague (f) à serrage (réglable) de butée			зажимный упоръ (m) anello (m) di arresto tope (m) [ó collar (m)] graduable [sujetado á presión]	3
Zwischenwelle (f), Zwischenspindel (f) intermediate spindle arbre (m) intermédiaire	a		промежуточный валъ (m); промежуточный шпиндель (m) albero (m) intermedio, asse (m) intermedio eje (m) intermedio, husillo (m) intermedio	4
Antriebstufenscheibe (f) stepped driving cone poulie (f) de commande étagée *ou* à gradins, cône (m) de commande	b		приводный ступенчатый шкивъ (m) puleggia (f) a gradini di comando polea (f) motriz escalonada	5
Einsatzscheibe (f) supporting disc disque (m) *ou* plateau (m) interchangeable			вставная шайба (f); вставной дискъ (m) disco (m) divisore intercambiabile disco (m) intercambiable	6
Indexhülse (f) index sleeve douille (f) graduée	a b		втулка (f) указателя manicotto (m) dell'indice casquillo (m) con indice	7
Indexring (m) index ring bague (f) divisée	c		кольцо (n) указателя anello (m) dell'indice anillo (m) del índice	8
Indexstift (m) index pin doigt (m) de diviseur	d		штифтъ (m) указателя; указатель (m) indice (m) pua (f) del índice	9
Knopf (m) button, knob bouton (m)	e		кнопка (f) pomello (m), bottone (m) botón (m)	10
Tischbewegung (f) movement of table mouvement (m) de la table			ходъ (m) стола movimento (m) della tavola movimiento (m) de la mesa	11

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1 Kurbel (f)
crank lever *or* handle
manivelle (f)

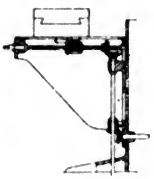
ручной кривошипъ (m); ручка (f)
manovella (f)
manivela (f)

2 Kurbelgriff (m), Griff (m)
grip, handle
poignée (f) de manivelle

a

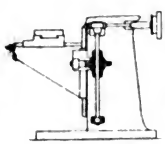
рукоятка (f)
impugnatura (f) *o* manubrio (m) della manovella
mango (m) de la manivela

3 innenliegender *oder* zentraler Tischantrieb (m)
internal table operating gear
commande (f) de la table dans le bâti



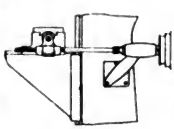
внутренняя передача (f) стола: передача стола, расположенная внутри станины
comando (m) della tavola interno all'incastellatura
movimiento (m) de la mesa dispuesto interiormente

4 außenliegender Tischantrieb (m)
external table operating gear
commande (f) extérieure de la table [au bâti]



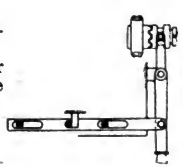
наружная передача (f) стола; передача стола, расположенная снаружи станины
comando (m) della tavola esterno all'incastellatura
movimiento (m) de la mesa dispuesto exteriormente

5 Quergang (m) des Aufspanntisches
cross traverse of the table
déplacement (m) *ou* mouvement (m) transversal de la table



поперечный самоходъ (m) стола; [въ Россіи чаще:] продольный самоходъ стола
spostamento (m) longitudinale della tavola
movimiento (m) transversal de la mesa

6 Ausrückung (f) des Aufspanntisches
throwing out the gear for traversing the table
débrayage (m) de la table



выключеніе (n) стола
disinnesto (m) della tavola
desembrague (m) de la mesa de sujeción

7 Kugelgelenkübertragung (f), Kreuzgelenkübertragung (f)
transmission by shaft with universal *or* ball socket joint
transmission (f) à rotule, transmission (f) par cardan *ou* par articulation universelle

шаровая шарнирная передача (f)
trasmissione (f) ad albero telescopico snodato
transmisión (f) articulada

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Gelenkwelle (f), gelenkige Welle (f)
shaft with universal joints (ball and socket joint)
arbre (m) articulé *ou* à articulation

a

шарнирный валъ (m)
albero (m) **snodato** con **giunti** di cardano
eje (m) articulado

1

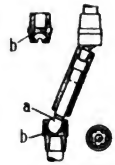
Kugelgelenk (n)
universal *or* ball and socket joint
articulation (f) à rotule

b

шаровой *или* гуковъ шарниръ (m)
giunto (m) di cardano *o* **snodato a ginocchio**
articulación (f) esférica

2

Kugelzapfen (m)
ball
rotule (f)



a

шаровая цапфа (f) *или* головка (f)
rotula (f)
espiga (f) de extremo esférica, articulación (f) esférica, rótula (f)

3

Kugelmuffe (f)
ball socket
manchon (m) *ou* coussinet (m) à logement sphérique

b

шаровая муфта (f); муфта съ шаровымъ гнѣздомъ
cuscinetto (m) della rotula
cojinete (m) esférico

4

---

ausziehbare Gelenkwelle (f)
telescopic shaft
arbre (m) articulé télescopique

выдвижной *или* телескопическій шарнирный валъ (m); раздвижной валикъ (m) шарнира
albero (m) telescopico snodato
eje (m) articulado extensible

5

---

ausziehbare Spindel (f)
telescopic spindle
arbre (m) télescopique d'avancement

a

выдвижной *или* телескопическій шпиндель (m)
albero (m) telescopico
eje (m) extensible

6

Spindelhülse (f)
spindle sleeve
douille (f) de l'arbre, douille (f) de la broche

b

втулка (f) шпинделя
manicotto (m) dell'albero, albero (m) a manicotto
casquillo (m) del eje

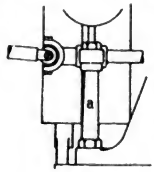
7

Ausziehrohr (n), Teleskoprohr (n)
telescopic tube
tuyau (m) télescopique

телескопическая труба (f)
tubo (m) telescopico
tubo (m) telescópico

8

Säulenstütze (f)
pillar support
colonnette (f)



a

подпорная *или* опорная колонка (f)
sostegno (m) della colonna
apoyo (m) de columna

9

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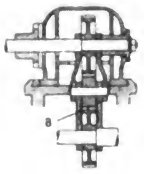


Räderknie (n)
1 jointed gear plate
coude (m) articulé à pignons coniques

зубчатая передача (f) изъ трёхъ цилиндрическихъ колёсъ, оси которыхъ связаны шарнирно
ingranaggio (m) a gomito *od* a ginocchio
codo (m) articulado de engranajes

Vorschubschneckengetriebe (n)
2 worm gear feed
mécanisme (m) d'avance par roue et vis sans fin

червячная передача (f) подачи
meccanismo (m) di avanzamento a vite senza fine
mecanismo (m) de tornillo sin fin del movimiento de avance

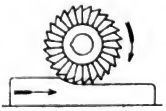
---

achsrechter *oder* achsialer Vorschub (m) des Werkstücks zum Fräser
3 axial travel of the work up to the cutter
déplacement (m) axial de la pièce (à travailler) vers la fraise

осевая *или* аксіальная подача (f) предмета къ шарошкѣ
avanzamento (m) del pezzo contro la fresa in direzione dell'asse del mandrino
avance (m) axial de la pieza de labor contra la fresa

---

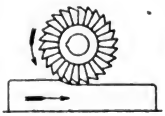
das Werkstück der Drehrichtung des Fräsers entgegenführen (v), gegen das Material fräsen (v)
4 to feed the work against the teeth of the cutter
avancer (v) la pièce à travailler dans le sens opposé à celui de rotation de la fraise



подавать предметъ по направленію обратному вращенію шарошки
avanzare (v) il pezzo in senso contrario alla rotazione della fresa
conducir (v) la pieza de labor contra la dirección en que rueda la fresa

---

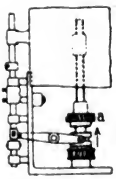
das Werkstück in der Richtung des Fräsers vorbeiführen (v), mit dem Material fräsen (v)
5 to feed the work in the direction with the cutter
avancer (v) la pièce à travailler dans le sens de rotation de la fraise



подавать предметъ по направленію вращенія шарошки
avanzare (v) il pezzo nel senso della rotazione della fresa
conducir (v) la pieza de labor en la dirección de rotación de la fresa

---

Schraubenräderantrieb (m) des Rücklaufs
drive of return screw wheel
6 commande (f) du retour *ou* recul [de la table] par roues à denture helicoïdale



a

передача (f) обратнаго движенія винтовыми *или* червячными колёсами
comando (m) di ritorno a mezzo d'ingranaggi a denti elicoidali
movimiento (m) de retroceso por engranajes helicoidales

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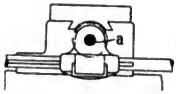
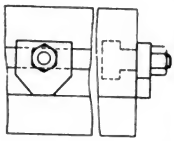
Tischspindel (f)
spindle for table
vis (f) de la table



винтъ (m) подачи стола
vite (f) della tavola
husillo (m) de la mesa

1

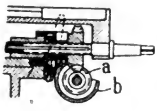
Anschlagkloben (m), Stoßknagge (f), Umsteuerknagge (f)
stop
taquet (m) de butée



упорный кулачокъ (m) [для измѣненія направленія хода]
arresto (m), nasello (m) di arresto
tope (m) á taco (graduable para limitar el movimiento automático)

2

Ausrückung (f) mit Fallschnecke
disengagement by dropping the worm out of gear
débrayage (m) par vis sans fin basculante



расцѣпленіе (n) *или* выключеніе (n) *или* остановъ (m) при помощи падающаго червяка
disinnesto (m) a mezzo di vite perpetua *o* senza fine a caduta
desembrague (m) con husillo sin fin de caída *ó* articulado

3

Fallschnecke (f)
out of gear falling worm
vis (f) sans fin basculante

a

падающій червякъ (m)
vite (f) perpetua *o* senza fine a caduta
husillo (m) de rosca sin fin de caída *ó* articulado

4

Schneckenlager (n)
worm bearing
coussinet (m) de la vis sans fin

b

подшипникъ (m) червяка
cuscinetto (m) della vite perpetua *o* senza fine
cojinete (m) del tornillo sin fin

5

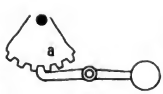
Schneckengehäuse (n), Wurmgehäuse (n), Wurmtasche (f)
casing *or* pocket for worm
enveloppe (f) *ou* boite (f) de la vis sans fin

b

кожухъ (m) *или* коробка (f) червяка
guardia (f) della vite perpetua *o* senza fine
caja (f) del husillo sin fin

6

Gesperre (n) der Zahnräderfräsmaschine
locking device of the gear cutting machine
encliquetage (m) de la fraiseuse à tailler les engrenages



остановъ (m) станка для шарошенія зубчатыхъ колёсъ
arresto (m) di fresatrice per ingranaggi *o* per denti di ingranaggi
trinquete (m) de detención de la máquina de tallar engranajes

7

Lehrrad (n), Teilrad (n)
dividing wheel
roue (f) à diviser, roue (f) à divisions

a

дѣлительное колесо (n)
ruota (f) dividente, disco (m) divisore
rueda (f) de dividir

8

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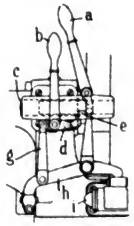
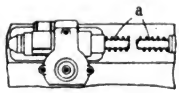


1	**Einrücker (m), Einrückhebel (m), Rückhebel (m), Einschalthebel (m)** **engaging lever** **levier (m) d'embrayage**	a	рычагъ (m) [для] включенія leva (f) di innesto palanca (f) de embrague
2	**Ausrückhebel (m), Rückhebel (m)** **disengaging lever** **levier (m) de débrayage**	b	рычагъ (m) [для] выключенія leva (f) di disinnesto palanca (f) de desembrague
3	**Anschlagstange (f)** **stop rod** **tige (f) *ou* tringle (f) de débrayage**	c	упорный стержень (m) barra (f) d'arresto varilla (f) de tope
4	**Anschlaghaken (m), Sperrklinke (f)** **claw stop** **griffe (f) de butée**	d	упорный крюкъ (m) *или* крючокъ (m); собачка (f) gancio (m) *o* nottolino (m) d'arresto garra (f) de tope
5	**Kerbe (f), Rast (f)** **notch** **cran (m)**	e	зарубка (f) tacca (f) entalladura (f)
6	**Gabelhebel (m), Scharnierhebel (m)** **forked end lever** **levier (m) à fourche *ou* à chape**	g	рычагъ (m) въ видѣ вилки; вилкообразный рычагъ leva (f) a forchetta palanca (f) en forma de horquilla
7	**Auslöshebel (m)** **releasing lever** **levier (m) de déclic *ou* de débrayage**	h	расцѣпляющій рычагъ (m) leva (f) di disinnesto palanca (f) de levantar
8	**Ausrückknopf (m)** **catch button *or* knob** **bouton (m) de débrayage *ou* de déclic**	i	выключающая кнопка (f) pomello (m) *o* bottone (m) di disinnesto botón (m) del desembrague
9	**Rückholfeder (f)** **return spring** **ressort (m) de rappel**		пружина (f) [для] обратнаго дѣйствія molla (f) di richiamo muelle (m) de retroceso

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Fräs[er]spindel (f), Fräserwelle (f), Arbeitspindel (f)
cutter arbor *or* spindle
arbre (m) porte-fraise, mandrin (m) porte-fraise

фрезерный *или* шарошечный шпиндель; рабочий шпиндель; шпиндель фрезерной бабки
mandrino (m) porta-fresa 1
husillo (m) porta-fresa, husillo (m) de fresar, husillo (m) de trabajo

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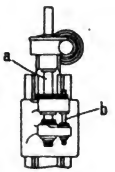
Hauptfrässpindel (f)
main milling spindle
broche (f) de fraisage principale



a

главный фрезерный *или* шарошечный шпиндель (m)
mandrino (m) principale della fresa 2
husillo (m) de fresar principal

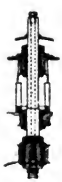
Nebenfrässpindel (f), Hilfs[fräs]spindel (f)
auxiliary milling spindle
broche (f) de fraisage auxiliaire

b

вспомогательный фрезерный шпиндель(m); вспомогательный шарошечный шпиндель
mandrino (m) ausiliare *o* secondario 3
husillo (m) de fresar secundario

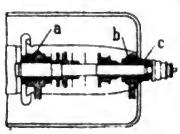
---

verschiebbare Frässpindel (f)
sliding spindle
broche (f) porte-fraise mobile *ou* coulissante



передвижной фрезерный *или* шарошечный шпиндель (m)
mandrino (m) portafresa spostabile assialmente 4
husillo (m) de fresar graduable

Spindellagerung (f)
bearing of spindle
montage (m) de la broche dans ses coussinets



подшипники (m pl) шпинделя
sopporti (m pl) *o* cuscinetti (m pl) del mandrino 5
colocación (f) del husillo de fresar en sus cojinetes

---

vordere Lagerbüchse (f), vordere Lagerhülse (f)
front bushing
coussinet (m) [d']avant

a

передняя подушка (f) *или* втулка (f) стакана
cuscinetto (m) anteriore 6
casquillo (m) del cojinete delantero

---

hintere Lagerbüchse (f), hintere Lagerhülse (f)
back bushing
coussinet (m) [d']arrière

b

задняя подушка (f) *или* втулка (f) стакана
cuscinetto (m) posteriore 7
casquillo (m) del cojinete trasero

Kapselmutter (f)
cap nut
raccord (m) taraudé

c

колпачковая гайка (f)
dado (m) chiuso a capsula 8
unión (f) de rosca

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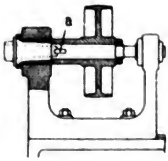
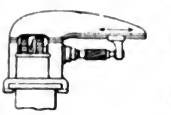


a

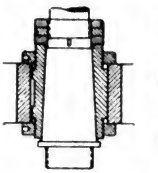
1 Keil[treiber]loch (n), Auswerferschlitz (m)
drift hole *or* slot
rainure (f) pour chasse clavette

отверстіе (n) для выбрасыванія клина
finestra (f) *od* apertura (f) per levare la fresa
ranura (f) para sacar la cuña



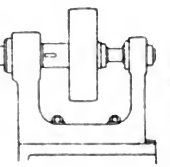
2 verstellbares *oder* verschiebbares Fräserwellenlager (n)
adjustable bearing for arbor *or* cutter spindle
portée (f) déplaçable de la broche de fraisage

переставной подшипникъ (m) фрезернаго шпинделя
reggipunta (m) regolabile del mandrino *o* del portafrese
soporte (m) de apoyo graduable para el árbol porta-fresa



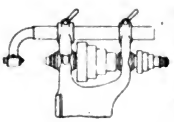
3 Feineinstellung (f) *oder* Justierung (f) der Frässpindel
fine adjustment of the milling cutter arbor
mise (f) au point précise de la broche de fraisage, réglage (m) de l'arbre porte-fraise

точная установка (f) фрезернаго шпинделя
aggiustaggio (m) di precisione del mandrino portafrese
graduación (f) de precisión del árbol porta-fresa



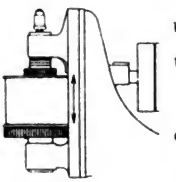
4 Spindelkasten (m), Spindelstock (m), Spindelbock (m)
spindle head stock
poupée (f)

фрезерная бабка (f)
testa (f) motrice, testa (f) del mandrino
cabezal (m) principal



5 festliegender Spindelstock (m)
fast head stock
poupée (f) fixe

неподвижная фрезерная бабка (f)
testa (f) motrice fissa, testa (f) fissa del mandrino
cabezal (m) principal fijo



6 verschiebbarer Spindelstock (m)
movable head stock
poupée (f) *ou* chariot (m) porte-broche mobile

подвижная фрезерная бабка (f)
testa (f) motrice scorrevole *o* spostabile, testa (f) spostabile del mandrino
cabezal (m) móvil graduable longitudinalmente

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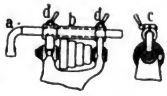
Kehrgetriebekasten (m), Wendegetriebekasten (m)
reversing *or* return gear box
boîte (f) du mécanisme de changement de marche

коробка (f) механизма для измѣненія направленія хода
cassa (f) *o* scatola (f) per l'inversione di marcia *1*
caja (f) del mecanismo de inversión de marcha

Oberhänger (m), Gegenhalter (m), Gegenarm (m), Spitzenhalter (m)
overhanging arm
nez (m) de support de la broche fraiseuse



a

поддерживающій рукавъ (m); поддерживающее колѣно (n)
reggipunta (m), braccio (m) reggipunta *2*
brazo (m) superior para enmangar el husillo de fresar

Rohr (n), Führung (f), Futter (n)
sleeve
fourreau (m), douille (f)

b

трубка (f); втулка (f); направляющая (f)
manicotto (m), manica (f) *3*
tubo (m)

---

geschlitzte Armführung (f)
split clamping bearing [collet (m) de] guidage (m) fendu du nez

c

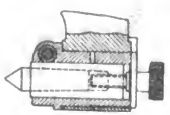
разрѣзная направляющая втулка (f) поддерживающаго колѣна *или* рукава
cuscinetti (m pl) *o* collari (m pl) spaccati del reggipunta *4*
tubo (m) partido del brazo de conducción

Spannkloben (m)
clamping lugs
collier (m) *ou* collet (m) de serrage

d

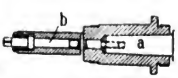
зажимъ (m); зажимной хомутъ (m)
morsetto (m) di chiusura *o* di serraggio *5*
mordazas (f pl) de sujeción

Gegenspitze (f), Reitnagel (m), Körnerspitze (f)
dead centre
contre-pointe (f), pointe (f) de la contre-poupée



задній центръ (m); упорный центръ (m)
contropunta (f)
contra-punta (f), punta (f) de la contra-punta *6*

Fräs[er]dorn (m)
milling arbor
mandrin (m) de fraisage



a

валикъ (m) фрезы; фрезерная оправка (f)
mandrino (m) porta-frese *7*
husillo (m) porta-fresa, mango (m) de la fresa

Spannschraube (f)
tightening up screw
vis (f) de serrage

b

зажимной винтъ (m)
vite (f) di fissaggio *o* di chiusura *8*
tornillo (m) de sujeción

Differentialgewinde (n)
differential thread
filet (m) différentiel

дифференціальная рѣзьба (f) *или* нарѣзка (f) *9*
filetto (m) differenziale
rosca (f) diferencial

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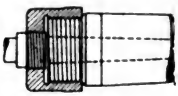
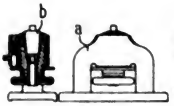


1 Differential[spann]-mutter (f)
differential nut
écrou (m) à filets différentiels

дифференціальная гайка (f)
madrevite (f) differenziale
tuerca (f) de paso diferencial

2 Differential[spann]-schraube (f)
differential screw
vis (f) à filets différentiels

дифференціальный винтъ (m)
vite (f) differenziale
tornillo (m) de paso diferencial



3 Aufnahmebock (m)
toe bearing
support (m), vérin (m) de soutien

подпорка (f)
cavalletto (m) *o* verricello (m) di sostegno
soporte (m)

a

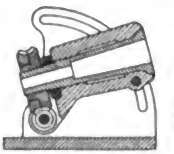
4 Aufnahmedorn (m)
toe pin
mandrin (m)

оправка (f)
mandrino (m) del verricello
mandril (m), espiga (f) porta-útil

b

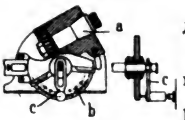
5 Hohldorn (m)
hollow mandrel
mandrin (m) creux, mandrin (m) à manchon

пустотѣлая *или* полая оправка (f)
mandrino (m) cavo
espiga (f) hueca, mandril (m) de manguito



6 Teilkopf (m), Teilapparat (m), Haubitze (f)
dividing head
appareil (m) diviseur, poupée (f) à diviseur

дѣлительная бабка (f) *или* головка (f); дѣлительный аппаратъ (m)
testa (f) da dividere
cabezal (m) divisor



7 Teilspindel (f)
dividing spindle
broche (f) de la poupée à diviser

дѣлительный шпиндель (m); шпиндель дѣлительной бабки
mandrino (m) della testa da dividere
husillo (m) divisor

a

8 Teilscheibe (f), Lochscheibe (f)
dividing plate
plateau (m) diviseur

дѣлительный кругъ (m)
disco (m) divisore
plato (m) divisor

b

9 Körnerkreis (m)
path described on the dividing plate
cercle (m) des points de division, cercle (m) du plateau diviseur

окружность (f), образуемая отверстіями на дѣлительномъ кругѣ
circolo (m) dei fori di divisione
círculo (m) (m) de puntos de división

10 Teilkurbel (f)
dividing arm
alidade (f) de division

дѣлительная рукоятка (f)
manovella (f) dividente
manivela (f) de división

c

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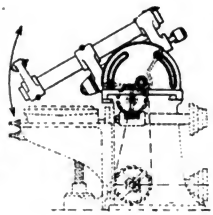
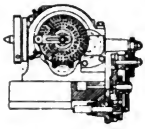
verstellbares *oder* einstellbares *oder* schwenkbares Spindelgehäuse (n)
swivelling overhanging arm
poupée (f) inclinable



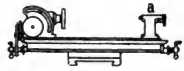
поворотная дѣлительная бабка (f); поворотная колодка (f) въ дѣлительной бабкѣ
testa (f) motrice inclinabile, testa (f) inclinabile del mandrino
cabezal (m) principal inclinable *1*

Universalteilkopf (m)
universal dividing head
poupée (f) diviseuse universelle



универсальная дѣлительная бабка (f) *или* головка (f)
testa (f) da dividere universale
cabezal (m) divisor universal *2*

Reitstock (m)
poppet, tail stock
contre-poupée (f)



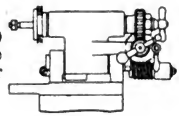
a

задняя бабка (f)
contropunta (f)
contra-punta (f) *3*

Normalkonus (m), Morsekonus (m), metrischer Konus (m), Einheitskegel (m)
standard cone, Morse's cone
cône (m) normal [de l'arbre]

нормальный конусъ (m); конусъ Морзе; метрическій конусъ
cono (m) *o* conicità (f) normale
cono (m) normal (del árbol) *4*

Rundfräsvorrichtung (f)
circular milling device
dispositif (m) à fraiser circulairement



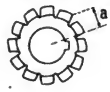
приспособленіе (n) для шарошенія по кругу
dispositivo (m) per fresare circolarmente
disposición (f) de fresar circularmente (*ó* mesa circular de movimiento automático) *5*

Fräser	**Фрезы**	
Milling Cutter	**Frese**	*6*
Fraises	**Fresas**	

Fräser (m)
milling cutter
fraise (f)

шарошка (f); фреза (f); фрезеръ (m)
fresa (f)
fresa (f) *7*

Fräserteilung (f), Umfangteilung (f)
pitch of cutter teeth
pas (m) de la fraise



a

дѣленіе (n) зубьевъ шарошки *или* фрезы; шагъ (m) зубьевъ фрезера
passo (m) della fresa
división (f) de la fresa *8*

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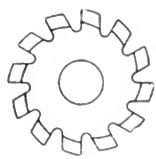
1 genuteter Fräser (m), geriefter Fräser (m), Fräser (m) mit genuteten *oder* gerieften Schneidzähnen
grooved milling cutter
fraise (f) à denture cannelée

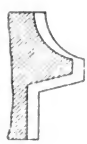
шарошка (f) *или* фреза (f) съ назубренными *или* съ продороженными рѣжущими кромками; фрезеръ (m) съ поперечными канавками на рѣжущихъ кромкахъ [для лучшаго отдѣленія стружки]
fresa (f) a dente triangolare
fresa (f) con dientes ranurados

2 hinterdrehter Fräser (m), Fräser (m) mit hinterdrehten Schneidzähnen
backed off milling cutter
fraise (f) à dépouiller, fraise (f) à profil constant, fraise (f) à denture détalonnée *ou* dégagée



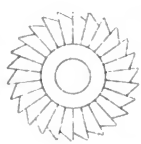
шарошка (f) съ зубьями съ задней заточкой; фреза (f) со спиральной заточкой зубьевъ; фрезеръ (m) съ постояннымъ профилемъ зубьевъ [не мѣняющимся при переточкѣ]
fresa (f) a profilo invariabile
fresa (f) de perfil constante, fresa (f) retorneada de perfil constante

3 schräg hinterdrehter Fräser (m)
milling cutter with diagonally backed off teeth
fraise (f) à denture détalonnée *ou* dégagée obliquement, fraise (f) à dépouiller oblique



шарошка (f) съ зубьями съ косой задней заточкой; фреза (f) *или* фрезеръ (n) съ косыми спирально заточенными зубьями постояннаго профиля
fresa (f) a profilo invariabile obliquo
fresa (f) retorneada oblicuamente

4 Radialfräser (m), Fräser (m) mit radialen Nuten
radial *or* side milling cutter
fraise (f) à denture latérale *ou* radiale, fraise (f) en bout



радіальная шарошка (f) *или* фреза (f); радіальный фрезеръ (m)
fresa (f) a denti radiali
fresa (f) radial

5 Stirnfräser (m), Kopffräser (m)
face and side cutter
fraise (f) à deux faces, fraise (f) cylindrique et en bout combinée

лобовая шарошка (f) *или* фреза (f); лобовой фрезеръ (m)
fresa (f) a taglienti laterali *od* a fianchi taglienti
fresa (f) con corte al frente

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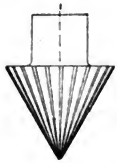
kegeliger *oder* konischer Fräser (m), Fräser (m) für kegelige *oder* konische Löcher
coned milling cutter
fraise (f) tronconique

коническая шарошка (f) *или* фреза (f); конический фрезеръ (m) *1*
fresa (f) conica
fresa (f) cónica

Versenker (m), Senker (m)
countersink
fraise (f) conique



зенковка (f); зинковка (f); зенковочная шарошка (f) *или* фреза (f); зенковочный фрезеръ (m); коническая фреза (f) *2*
fresa (f) acciecatrice, acciecatoio (m)
fresa (f) cónica, avellanador (m)

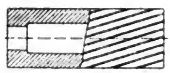
Planfräser (m)
facing cutter
fraise (f) de fraiseuse-raboteuse

шарошка (f) для фрез[ер]ованія плоскостей; фреза (f) *или* фрезеръ (m) для шарошенія плоскостей *3*
fresa (f) da far piani *o* da spianare
fresa (f) de fresadora-acepilladora

Walzenfräser (m) mit geraden *oder* parallelen Nuten
cylindrical cutter with straight grooves
fraise (f) cylindrique rectiligne *ou* axiale

осевая шарошка (f) *или* фреза (f) съ прямыми зубьями; цилиндрическій фрезеръ (m) съ прямыми желобками *4*
fresa (f) cilindrica a denti diritti
fresa (f) cilindrica, fresa (f) axial

Walzenfräser (m) mit Spiralnuten
cylindrical cutter with spiral grooves
fraise (f) cylindrique à dresser à dents hélicoïdales

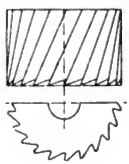


осевая шарошка (f) *или* фреза (f) со спиральными зубьями; цилиндрическій фрезеръ (m) съ витыми желобками *5*
fresa (f) cilindrica a denti elicoidali
fresa (f) cilindrica de planear

Fingerfräser (m)
end mill
fraise (f) à queue

концевая шарошка (f) *или* фреза (f); концевой фрезеръ (m)
fresa (f) con gambo *o* con coda *6*
fresa (f) escariadora con espiga

Spiralfräser (m)
spiral milling cutter
fraise (f) à denture hélicoïdale



шарошка (f) *или* фреза (f) *или* фрезеръ (m) со спиральными зубьями
fresa (f) a denti elicoidali *7*
fresa (f) con ranuras *ó* dientes espirales

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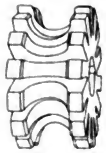
1 Formfräser (m), Profilfräser (m)
formed *or* profile cutter
fraise (f) profilée *ou* à profiler, fraise (f) de forme



фасонная шарошка (f) *или* фреза (f); фасонный фрезеръ (m)
fresa (f) sagomata, fresa (f) a profilo
fresa (f) perfilada, fresa (f) de forma

---

2 Kugelfräser (m), Kugelknopf (m)
spherical cutter
fraise (f) sphérique

шаровая шарошка (f) *или* фреза (f); шаровой фрезеръ (m)
fresa (f) sferica
fresa (f) esférica

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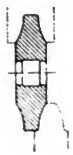
3 Zahnformfräser (m), Zahnprofilfräser (m)
cutter for gear wheels
fraise (f) à [tailler les] engrenages



зуборѣзная шарошка (f); фреза (f) для зубчатыхъ колёсъ; фрезеръ (m) для нарѣзанія зубчатыхъ колёсъ
fresa (f) per ingranaggi
fresa (f) para tallar engranajes, fresa (f) de módulo

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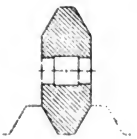
4 Zahnstangenfräser (m)
rack milling cutter
fraise (f) pour [tailler les] crémaillères



шарошка (f) *или* фреза (f) *или* фрезеръ (m) для нарѣзанія зубчатыхъ реекъ
fresa (f) per cremagliere
fresa (f) para dentar cremalleras

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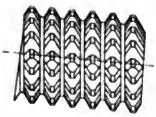
5 Schneckenfräser (m), Wurmfräser (m)
worm hob
fraise (f) hélicoïdale, fraise (f) pour vis-mère cylindrique



червячная шарошка (f); винтовая фреза (f); фрезеръ (m) для нарѣзанія червячныхъ и винтовыхъ колёсъ
fresa (f) a vite senza fine, fresa (f) elicoidale
fresa (f) helicoidal, fresa (f) sin fin

---

6 Abwälzverfahren (n)
cutting gear teeth by helicoidal cutter
fraisage (m) par fraise hélicoïdale, fraisage (f) par vis-mère en développante, procédé (m) de fraisage par développante

фрез[ер]ованіе (n) по развёрткѣ
fresatura (f) a sviluppante
procedimiento (m) de fresar dientes con fresa helicoidal

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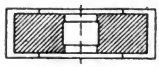
Schneidscheibe (f), Schneidrad (n), walzenförmiger *oder* zylindrischer Scheibenfräser (m)
face and side cutter
fraise (f) à disque, fraise (f) cylindrique



дисковая шарошка (f) *или* фреза (f); дисковый фрезеръ (m) 1
fresa (f) a disco ed a tre taglienti
fresa (f) cilíndrica

---

kegeliger *oder* konischer Scheibenfräser (m)
conical side milling cutter
fraise (f) angulaire

коническая дисковая шарошка (f) *или* фреза (f); конический дисковый фрезеръ (m) 2
fresa (f) a disco conica
fresa (f) angular

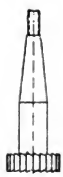
Nutenfräser (m)
grooving cutter
fraise (f) à rainer

цилиндрическая шпоночная шарошка (f) *или* фреза (f); цилиндрическій фрезеръ (m) для шпоночныхъ канавокъ *или* пазовъ 3
fresa (f) per cave
fresa (f) para ranuras, fresa (f) para muescas

Einlocher (m)
hole boring cutter
fraise (f) à aléser

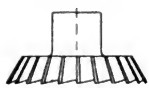
шарошка (f) для развёртыванія дыръ; фреза (f) - развёртка (f) 4
fresa (f) per allargare fori, allargatoio (m) a fresa
escariador-fresa (m)

Schlitzfräser (m)
slot cutter
fraise (f) à rainer



шарошка (f) *или* фреза (f) *или* фрезеръ (m) для прорѣзки узкихъ канавокъ *или* пазовъ 5
fresa (f) con gambo per cave *o* per scanalatura
fresa (f) para ranuras delgadas

Winkelfräser (m)
angle cutter
fraise (f) conique d'angle



угловая шарошка (f) *или* фреза (f); угловой фрезеръ (m) 6
fresa (f) conica *o* ad angolo
fresa (f) angular

Gewindebohrernutenfräser (m), runder Nutenfräser (m)
fluting cutter for taps
fraise (f) à tailler les rainures de tarauds

шарошка (f) *или* фреза (f) для канавокъ метчиковъ и развёртокъ; круглый фрезеръ (m) для полукруглыхъ шпоночныхъ канавокъ 7
fresa (f) per scanalare maschi
fresa (f) para ranuras de machos de roscar

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1 Spiralbohrernutenfräser (m), Formfräser (m) für Spiralbohrernuten
cutter for fluting twist drills
fraise (f) à tailler les gorges de forets hélicoïdaux

шарошка (f) *или* фреза (f) для [нарѣзанія] канавокъ спиральныхъ свёрлъ; фасонный фрезеръ (m) для спиральныхъ свёрлъ
fresa (f) per scanalare punte a spirale
fresa (f) para vaciar las ranuras helicoidales de las brocas espirales

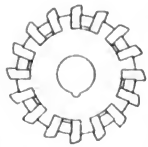
---

2 Innenfräser (m)
internal milling cutter
fraise (f) à rectifier les alésages *ou* aléseuses

внутренняя фреза (f) *или* шарошка (f); внутренній фрезеръ (m)
fresa (f) per interni *o* per fori
fresa (f) hueca, fresa (f) interior

---

3 Fräser (m) mit eingesetzten Schneidzähnen
cutter with inserted teeth
fraise (f) à dents rapportées



шарошка (f) *или* фреза (f) *или* фрезеръ (m) со вставными зубьями
fresa (f) a denti rimessi *od* a denti riportati
fresa (f) de dientes postizos

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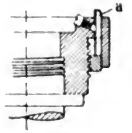
4 Fräskopf (m), Messerkopf (m)
cutter head
tête (f) de fraisage, plateau (m) porte-lames, plateau-fraiseur (m)



шарошечная *или* фрезерная головка (f)
testa (f) portafrese
cabezal (m) porta-fresas, cabezal (m) porta-cuchillas

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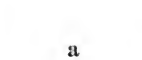
5 Schneidzahn (m), Fräsmesser (n), Messer (n). Einsatz[fräser]stahl (m)
cutter, knife
lame (f)



фрезерный зубъ (m); вставной фрезерный рѣзецъ (m)
lama (f) rimessa *o* riportata, coltello (m) rimesso *o* riportato
lámina (f) de cuchilla, acero (m) de fresar postizo

---

6 auswechselbares Einzelmesser (n)
interchangeable cutter *or* knife
lame (f) amovible, lame (f) interchangeable

смѣнный вставной фрезерный зубъ (m) *или* рѣзецъ (m)
lama (f) *o* coltello (m) ricambiabile
cuchilla (f) suelta intercambiable

---

7 Einzelfräser (m), einfacher Fräser (m)
single cutter
fraise (f) simple

одинарная шарошка (f); обыкновенная фреза (f); простой фрезеръ (m)
fresa (f) semplice
fresa (f) sencilla

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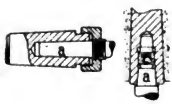
Gruppenfräser (m), Satzfräser (m), zusammengesetzter Fräser (m)
grouped cutters
fraises (f pl) combinées, fraises (f pl) accouplées

составная шарошка (f); комбинированная фреза (f); сборный фрезеръ (m)
frese (f pl) aggruppate, fresa (f) composta
fresas (f pl) agrupadas, fresas (f pl) combinadas
1

Fräsersatz (m)
set of cutters
jeu (m) de fraises

наборъ (m) шарошекъ *или* фрезъ *или* фрезеровъ
giuoco (m) di frese
juego (m) de fresas
2

Fräserbefestigung (f)
method of fixing cutters
fixation (f) de la fraise



закрѣпленіе (n) шарошки *или* фрезы *или* фрезера
montaggio (m) *o* fissaggio (m) *o* piazzamento (m) della fresa
sujeción (f) de la fresa
3

---

den Fräser aufspannen (v) *oder* befestigen (v)
to fix the cutter
fixer (v) *ou* monter (v) la fraise

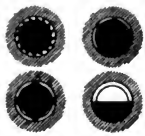
закрѣпить шарошку *или* фрезу *или* фрезеръ
montare (v) *o* fissare (v) *o* piazzare (v) la fresa
sujetar (v) la fresa
4

Fräserzapfen (m)
tapered shank of milling arbor
queue (f) *ou* tige (f) de fraise

a

цапфа (f) шарошки *или* фрезы *или* фрезера
coda (f) *o* gambo (m) *o* stelo (m) della fresa
espiga (f) *ó* mango (m) de la fresa
5

Reibahle (f)
reamer
aléseur (m), alésoir (m)



развёртка (f)
alesatore (m), alesatoio (m), allargatoio (m)
escariador (m)
6

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walzenförmige *oder* zylindrische Reibahle (f)
cylindrical reamer
alésoir (m) cylindrique

цилиндрическая развёртка (f)
alesatore (m) cilindrico
escariador (m) cilindrico
7

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kegelige *oder* konische Reibahle (f)
conical reamer
alésoir (m) conique

коническая развёртка (f)
alesatore (m) conico
escariador (m) cónico
8

Handreibahle (f)
hand reamer
alésoir (m) à main

ручная развёртка (f)
alesatore (m) a mano
escariador (m) á mano
9

Maschinenreibahle (f)
machine reamer
alésoir (m) à commande mécanique

машинная развёртка (f)
alesatore (m) meccanico
escariador (m) de impulsión mecánica
10

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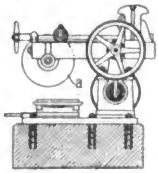
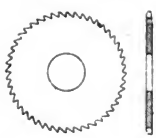
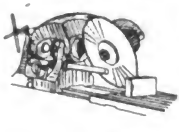
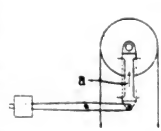
	Kaltsägen		Пилы для холодной распиловки
1	**Cold Saws**		**Seghe a freddo**
	Scies à froid		**Sierras en frío**
2	Kaltsäge (f) cold saw scie (f) à froid		пила (f) для холодной распиловки sega (f) a freddo sierra (f) en frío para metales
3	kaltsägen (v) to saw cold scier (v) à froid		распиливать въ холодномъ состояніи; пилить въ холодномъ видѣ segare (v) a freddo serrar (v) en frío
4	Kreissäge (f) circular saw scie (f) circulaire	a	круглая пила (f) sega (f) circolare sierra (f) circular
5	drehbarer Bügel (m) swivelling stirrup étrier (m) pivotant		вращающійся *или* поворотный хомутъ (m) braccio (m) della lama girevole arco (m) giratorio
6	Säge[n]blatt (n) saw blade lame (f) de scie		пильный листъ (m); полотно (n) пилы; [фиг.:] пильный дискъ (m) *или* кругъ (m) disco (m) da sega, sega (f) hoja (f) de sierra (circular)
7	Schrägstellen (n) der Säge setting the saw blade at an angle inclinaison (f) de la scie		установка (f) пилы подъ угломъ inclinazione (f) del disco della sega inclinación (f) de la hoja de serrar
8	Sägeschlitten (m) saw carriage chariot (m) porte-scie		салазки (f pl) пилы; пильныя салазки; салазки, несущія пилу carrello (m) della sega carro (m) porta-sierras
9	selbsttätiges *oder* sich selbst einstellendes Schlittenlager (n) self-adjustable sliding bearing palier (m) coulissant à réglage automatique *ou* réglant lui-même sa position	 a	самоустанавливающійся подшипникъ (m) салазокъ sopporto (m) del carrello a registrazione automatica cojinete (m) de graduación automática

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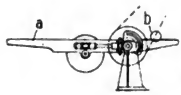
Sägearm (m)
arm carrying the saw
bras (m) porte-scie



a

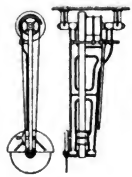
рукавъ (m) *или* рама (f) *или* рычагъ (m) пилы
braccio (m) *o* leva (f) portasega 1
brazo (m) porta-sierras

Belastungsgewicht (n) zur Selbstreglung des Vorschubs
balance for regulating saw feed
contrepoids (m) de réglage automatique de l'avance

b

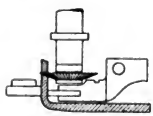
противовѣсъ (m) *или* грузъ (m) для автоматическаго регулированія подачи
contrappeso (m) per la registrazione automatica dell'avanzamento *o* per regolare automaticamente l'avanzamento 2
contra-peso (m) para la graduación automática del avance

Pendelsäge (f)
pendulum saw
scie-pendule (f), machine (f) à scier oscillante



качающаяся *или* маятниковая пила (f)
sega (f) a pendolo *od* oscillante 3
sierra (f) de péndulo

Blech[kanten]-beschneidmaschine (f)
machine for trimming off flanged plates
machine (f) à araser les tôles



станокъ (m) для обрѣзанія [загнутыхъ] кромокъ желѣзныхъ листовъ; кромочно-обрѣзной станокъ 4
macchina (f) per tagliare lamiere
máquina (f) *ó* sierra (f) de recortar chapas

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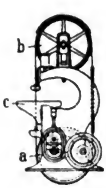
gespannte Säge (f)
span-saw
scie (f) montée



a

натянутая лента (f) пилы
sega (f) tesa, sega (f) a nastro fisso 5
sierra (f) tendida

Bandsäge (f)
band saw
scie (f) à ruban

ленточная пила (f)
sega (f) a nastro 6
sierra (f) de cinta, sierra (f) sin fin

Treibrolle (f), Triebrolle (f), Leitrolle (f)
driving pulley, guide pulley
poulie (f) de commande, poulie (f) de menée (du ruban)

направляющій шкивъ (m) *или* роликъ (m)
puleggia (f) *o* volante (m) di comando 7
polea (f) motriz, polea (f) de guía

Spannrolle (f)
tension pulley
galet (m) de tension

b

натяжной шкивъ (m)
rullo (m) tenditore 8
ruedecilla (f) de tensión

Sägetisch (m)
table (of band saw)
table (f) de la scie

c

столъ (m) ленточный пилы
tavola (f) della sega 9
mesa (f) de la sierra

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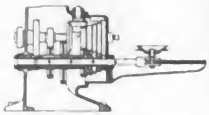
1 Seitenführung (f)
side guidance
guidage (m) latéral

боковыя направляющія (f pl)
guida (f) laterale
guia (f) lateral

2 Rückenführung (f)
back guidance
guidage (m) dorsal

заднія направляющія (f pl)
guida (f) posteriore, guida (f) sul dorso della sega
guia (f) posterior

3 Vorschubregler (m)
feed regulator
régulateur (m) de l'avance

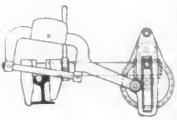


регуляторъ (m) подачи
regolatore (m) dell'avanzamento
regulador (m) del avance

4 Hubsäge (f), Hacksäge (f), Maschinensäge (f), Eisensäge (f)
power hack saw
scie (f) alternative, machine (f) à scier alternative

приводная ножёвка (f); станокъ (m) съ ножёвкой для металла
sega (f) alternativa a freddo
sierra (f) en frio de movimiento de manivela ó de corredera

5 Schraubstocksäge (f), Anschraubsäge (f), transportable Säge (f)
portable saw
scie (f) portative



пильный станокъ (m) съ тисками: переносный пильный станокъ
sega (f) trasportabile
sierra (f) portátil

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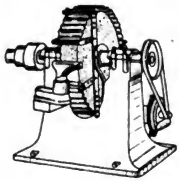
VI.

Schleifmaschinen — Шлифовальные и точильные станки

Grinding Machines — Mole, rettificatrici

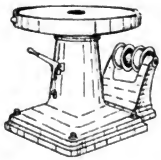
Machines à meuler — Máquinas de afilar

Typen und Gestelle — **Типы и станины**
Types and Frames — **Tipi ed incastellature** 1
Types et bâtis — **Tipos y bastidores**



Schleifmaschine (f)
grinding machine, grinder
machine (f) à meuler

шлифовальный станокъ (m)
mola (f), rettificatrice (f)
máquina (f) de amolar 2



Schleifmaschine (f) für ebene Flächen, Flächenschleifmaschine (f)
surface grinding machine
machine (f) à dresser à la meule, machine (f) à meuler *ou* à rectifier les surfaces

шлифовальный станокъ (m) для отдѣлки *или* для обработки плоскостей
mola (f) *o* rettificatrice (f) per piani 3
máquina (f) de afilar superficies planas, máquina (f) de rectificar superficies planas con muela

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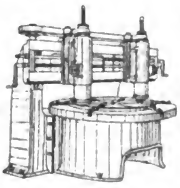

Kolbenringschleifmaschine (f)
piston ring grinding machine
machine (f) à rectifier les segments de piston

шлифовальный станокъ (m) для отдѣлки *или* для обработки поршневыхъ колецъ
rettificatrice (f) per anelli di stantuffi 4
máquina (f) de rectificar con muela los anillos de pistón

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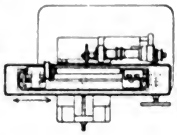
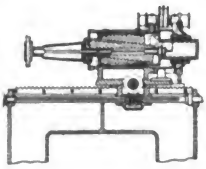
1 Rundschleifmaschine (f)
circular grinding machine
machine (f) à ébarber les pièces rondes, machine (f) à meuler les arbres



шлифовальный станокъ (m) для отдѣлки *или* для обработки тѣлъ вращенія
rettificatrice (f) per cilindri e per superfici cilindriche esterne
máquina (f) de rectificar con muela piezas cilindricas

2 Hohlschleifmaschine (f)
internal grinding machine
machine (f) à rectifier les alésages

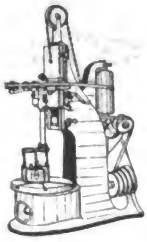


шлифовальный станокъ (m) для отдѣлки *или* для обработки отверстій
rettificatrice (f) per interni
máquina (f) de rectificar interiormente

3 Büchsenschleifmaschine (f)
machine for grinding bushes
meule (f) à rectifier les douilles intérieurement

шлифовальный станокъ (m) для отдѣлки *или* для обработки втулокъ
rettificatrice (f) per bussole
máquina (f) de rectificar interiormente los casquillos

4 Zylinderschleifmaschine (f)
cylinder grinding machine
machine (f) à meuler *ou* rectifier les cylindres

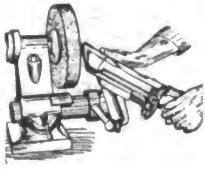


цилиндро-шлифовальный станокъ (m); шлифовальный станокъ для отдѣлки *или* для обработки внутренней поверхности цилиндровъ; станокъ для расшлифовыванія цилиндровъ
rettificatrice (f) per cilindri *o* per interni di cilindri
máquina (f) de rectificar cilindros

5 Werkzeugschleifmaschine (f)
tool grinder, tool grinding machine
machine (f) à affûter les outils, affûteuse (f)

станокъ (m) для заточки инструмента; точильный станокъ [для инструментовъ]
affilatrice (f), macchina (f) per affilare utensili
máquina (f) de afilar herramientas

6 Bohrerschleifmaschine (f)
drill grinding machine
machine (f) à affûter les forets



станокъ (m) для заточки [торцовъ] свёрлъ; точильный станокъ для свёрлъ
affilatrice (f) per punte a spirale *o* americana
máquina (f) de afilar brocas espirales

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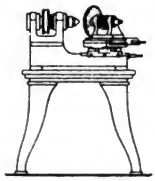
Spitzenschleifmaschine (f)
grinding apparatus for lathe centres
machine (f) à meuler *ou* rectifier les pointes



станокъ (m) для заточки остроконечныхъ предметовъ; шлифовальный станокъ для отдѣлки остроконечныхъ предметовъ 1
rettificatrice (f) per punte da tornio
máquina (f) de rectificar puntas

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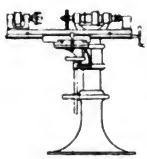
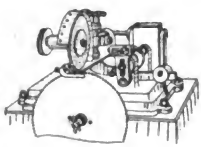
allgemeine Werkzeugschleifmaschine (f)
universal tool grinding machine
affûteuse (f) universelle



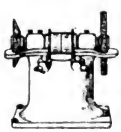
универсальный станокъ (m) для заточки инструмента; универсальный точильный станокъ для инструментовъ 2
affilatrice (f) universale, macchina (f) universale per affilare utensili
máquina (f) universal de afilar herramientas

Sägeschärfmaschine (f)
saw sharpening machine
machine (f) à affûter les lames de scies



станокъ (m) для точки пильныхъ дисковъ 3
affilatrice (f) per dischi da sega *o* per seghe
máquina (f) de afilar sierras

Scheibenschleifmaschine (f) mit Vorlage
grinding wheels with work rests
machine (f) à meuler *ou* affûter avec support des pièces

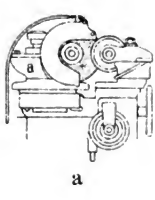


точильный станокъ (m) съ [плоскимъ и конуснымъ] точильными кругами и подручниками 4
mola (f) a dischi con portapezzo
máquina (f) de afilar con apoyo

Feilmaschine (f)
filing machine
limeuse (f)

пильный станокъ (m) станокъ для отточки пильныхъ зубцовъ 5
limatrice (f)
máquina (f) de limar

Schleifscheibenschlitten (m), Werkzeugschlitten (m)
grinding wheel slide, tool slide
chariot (m) porte-meule



подвижной суппортъ (m), несущій шлифовальный кругъ
carrello (m) portamola 6
carro (m) porta-muelas, carro (m) porta-herramientas

a

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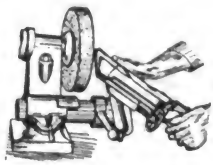
Arbeitsweise und Antrieb
Methods of Working and Driving
Méthodes de travail, commande
Способъ работы и передача
Metodi di lavoro e di comando
Sistemas de trabajo, movimiento motor

2 schleifen (v)
to grind
meuler (v), (un outil:) affûter (v), affiler (v), aiguiser (v), rectifier (v) à la meule



точить; заострять; шлифовать
molare (v), affilare (v), rettificare (v)
afilar (v), rectificar (v) con muela

---

3 grobschleifen (v)
to rough *or* coarse grind
ébarber (v), dégrossir (v)

грубо отшлифовать; обдирать при помощи шлифовального круга
sgrossare (v) alla mola
desbastar (v) con muela

---

4 vorschleifen (v)
to grind preparatory
dégrossir (v) à la meule

отшлифовать начерно
fare (v) la prima passata alla mola
desbastar (v) previamente con la muela

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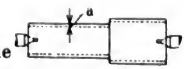
5 Schleifzugabe (f)
grinding allowance
surépaisseur (f) pour le meulage



a

припускъ (m) на шлифовку *или* на доводку
tolleranza (f) per la rettificazione, il soprappiù
margen (m) para la rectificación, espesor (m) dado demás á la pieza para la rectificación

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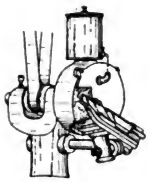
6 naß schleifen (v)
to grind wet
affûter (v) *ou* aiguiser (v) *ou* meuler (v) en arrosant



точить съ водой
molare (v) *o* affilare (v) *o* rettificare (v) ad umido
afilar (v) en húmedo *ó* con agua

---

7 Naßschleifen (n)
wet grinding
meulage (m) *ou* affûtage (m) à l'eau *ou* en mouillant *ou* en arrosant

заточка (f) съ водой; мокрая точка (f)
molatura (f) *o* affilatura (f) *o* rettificazione (f) ad umido
afilado (m) en húmedo

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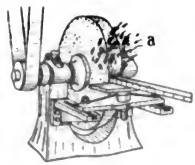
Schleifschmant (m), Schliff (m), Schleifel (m), Schlips (m)
grindstone swarf
cambouis (m) (provenant du meulage)

сбитая въ пѣну смѣсь (f) воды и шлифовальной пыли
fanghiglia (f) prodotta dall'affilare
polvo (m) mezclado de aceite producido al afilar

1



trocken schleifen (v)
to grind dry
meuler (v) *ou* affûter (v) *ou* rectifier (v) *ou* aiguiser (v) à sec

точить безъ воды
molare (v) *o* affilare (v) *o* rettificare (v) a secco
afilar (v) en seco, rectificar (v) en seco

2

Trockenschleifen (n)
dry grinding
meulage (m) *ou* affûtage (m) à sec

заточка (f) безъ воды; сухая точка (f)
molatura (f) *o* affilatura (f) *o* rettificazione (f) a secco
rectificación (f) en seco

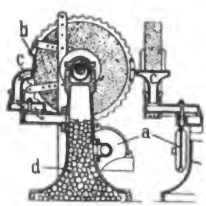
3

Schleifstaub (m)
grindstone dust
poussière (f) de meulage

a

шлифовальная пыль (f)
polvere (f) prodotta dall'affilare
polvo (m) producido al afilar

4



Staubabsaugung (f), Absaugen (n) des Staubes
catching the dust by suction
aspiration (f) de la poussière

высасываніе (n) пыли
aspirazione (f) della polvere
aspiración (f) (automática) del polvo

5

Sauger (m), Staubabsauger (m), Ventilator (m)
suction fan
aspirateur (m) de poussière, ventilateur (m) aspirant

a

пылевысасыватель (m); пылевысасывающій вентиляторъ (m); эксгаусторъ (m)
aspiratore (m), ventilatore (m)
aspirador (m), aspirador (m) del polvo, ventilador (m), exhaustor (m)

6

Schleudersauger (m)
centrifugal fan
aspirateur (m) centrifuge

a

центробѣжный высасывающій вентиляторъ (m)
aspiratore (m) centrifugo
aspirador (m) centrifugo

7

Absaug[e]stelle (f)
place where suction is applied
point (m) d'aspiration

b

мѣсто (n), гдѣ происходитъ высасываніе
punto (m) di aspirazione
punto (m) de aspiración

8

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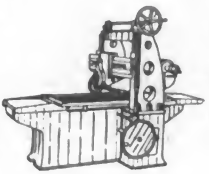
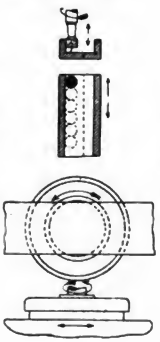
1	hohle Auflage (f) hollow rest coude (m) d'aspiration	c	отсасывающее пустотѣлое колѣно (n) sopporto (m) portapezzo cavo codo (m) de aspiración
2	Kok[s]füllung (f) coke filling remplissage (m) de coke	d	заполненіе (n) коксомъ riempimento (m) di coke relleno (m) de cok
3	eine ebene Fläche schleifen (v), planschleifen (v) to grind a flat surface dresser (v) *ou* rectifier (v) à la meule, meuler (v) une surface plane		точить плоскость; отдѣлать шлифованіемъ плоскость rettificare (v) una superficie piana rectificar (v) una superficie plana con muela
4	Planschleifen (n), Schleifen (n) einer ebenen Fläche surface grinding, plane grinding meulage (m) d'une surface plane, dressage (m) *ou* rectification (f) d'une surface à la meule		точеніе (n) плоскостей; отдѣлка (f) шлифованіемъ плоскостей rettificazione (f) di una superficie piana rectificación (f) de una superficie plana con muela
5	Planschliff (m) flat surface grinding rectification (f) *ou* dressage (m) d'une surface plane à la meule, meulage (m) d'une surface plane		шлифовка (f) плоскостей; шлифованіе (n) плоскихъ поверхностей rettificazione (f) di un piano el planear con muela, afilado (m) plano
6	Rundschleifen (n) circular grinding tournage (m) à la meule, rectification (f) *ou* meulage (m) circulaire des arbres		отдѣлка (f) шлифованіемъ тѣлъ вращенія rettificazione (f) cilindrica, rettificazione (f) di una superficie cilindrica rectificación (f) de piezas cilíndricas con muela
7	Rundschliff (m) circular grinding meulage (m) *ou* rectification (f) circulaire, tournage (m) à la meule		шлифовка (f) тѣлъ вращенія; шлифованіе (n) цилиндрическихъ отверстій rettificazione (f) di una superficie cilindrica rectificación (f) cilíndrica con muela

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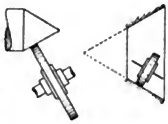
ein walzenförmiges Werkstück schleifen (v)
to grind a cylinder *or* roll
meuler (v) une pièce cylindrique

отшлифовать цилиндрическій предметъ
rettificare (v) una superficie cilindrica 1
rectificar (v) con muela una pieza cilíndrica

Kegelschleifen (n), Abschleifen (n) einer kegelförmigen Fläche
cone grinding, grinding conically
meulage (m) *ou* tournage (m) à la meule d'une surface conique, rectification (f) de cônes



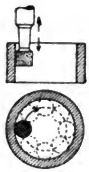
отдѣлка (f) шлифованіемъ конусовъ *или* коническихъ поверхностей
rettificazione (f) di un pezzo conico 2
rectificación (f) de una superficie cónica con muela

---

ausschleifen (v), innenschleifen (v)
to grind internally *or* out
rectifier (v) *ou* meuler (v) intérieurement, aléser (v) à la meule

расшлифовывать *или* располировать внутри
rettificare (v) interni *od* internamente 3
rectificar (v) interiormente con muela

Ausschleifen (n)
internal grinding, grinding out
alésage (m) à la meule, rectification (f) des alésages à la meule

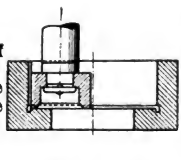


отдѣлка (f) шлифованіемъ отверстій; расшлифовка (f) *или* располировка (f) отверстій камнемъ
rettificazione (f) interna *o* di un interno 4
el alisar interiormente con muela

Ausschleifen (n) zylindrischer Löcher
internal grinding of cylindrical holes
meulage (m) *ou* alésage (m) à la meule *ou* rectification (f) de trous cylindriques

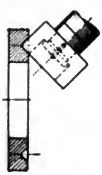
расшлифовка (f) *или* располировка (f) цилиндрическихъ дыръ
rettificazione (f) di fori cilindrici 5
el alisar con muela agujeros cilíndricos

Bodenschleifen (n)
grinding the bottom of a recess *or* cavity
meulage (m) *ou* planage (m) *ou* dressage (m) de fonds



отдѣлка (f) шлифованіемъ основаній отверстій; расшлифовка (f) *или* располировка (f) днищъ
rettificazione (f) di fondi 6
el rectificar *ó* el planear fondos con muela

Rillenschleifen (n)
grinding out grooves
meulage (m) de rainures



отдѣлка (f) шлифованіемъ бороздокъ *или* канавокъ
rettificazione (f) di scanalature 7
el sacar ranuras con muela

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Fertigbearbeitung (f) des Werkstücks
1 finishing a working piece
finissage (m) de la pièce à usiner

отдѣлка (f) начисто *или* окончательная отдѣлка обрабатываемаго предмета
rifinimento (m) di un pezzo
terminación (f) de la pieza de labor

---

fertigschleifen (v)
2 to finish by grinding
finir (v) à la meule

отдѣлать на́чисто на шлифовальномъ станкѣ
rifinire (v) alla mola
terminar (v) con muela una pieza

Feinschleifen (n)
3 accurate grinding
meulage (m) de précision

точная шлифовка (f); доводка (f)
rettificazione (f) di precisione
rectificación (f) de precisión con muela

Toleranztabelle (f)
4 table of limits
tableau (m) de tolérance

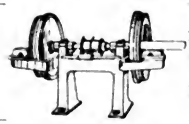
таблица (f) допусковъ
tabella (f) delle tolleranze
tabla (f) de tolerancia

Nachmessung (f)
5 checking over the dimensions
vérification (f) des dimensions

провѣрка (f) размѣровъ
controllo (m)
verificación (f) de las dimensiones

---

polieren (v), glanzschleifen (v)
6 to polish
polir (v) (à la meule)



полировать
polire (v), polire (v) a lucido
pulir (v)

---

hoch[glanz]polieren (v)
7 to burnish
brunir (v), polir (v) à reflets

тонко отполировать
brunire (v)
bruñir (v)

Politur (f)
8 polish
poli (m), polissage (m)

полировка (f); политура (f); глянецъ (m)
politura (f)
pulimento (m)

Hoch[glanz]politur (f)
9 brillant polish
bruni (m), brunissage (m)

высокая тонкая полировка (f)
brunitura (f)
bruñido (m)

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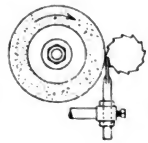
schärfen (v)
10 to sharpen
affûter (v), aiguiser (v), affiler (v)



точить; оттачивать; заострять
affilare (v)
afilar (v)

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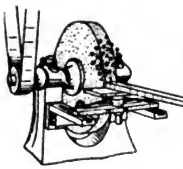


das Schleifrad funkt
the grinding wheel sparks
la meule lance des étincelles

шлифовальное колесо (n) даётъ искры
la mola dà scintille
la muela despide chispas

1

Funkengarbe (f)
ray of sparks
gerbe (f) d'étincelles

снопъ (m) искръ
fascio (m) di scintille
haz (f) de chispas

2

---

die Schleifscheibe verglast
the grinding wheel becomes glazed
la meule se vitrifie

точильный кругъ(m)салится [т. е. принимаетъ на себя частички обрабатываемаго предмета]
la mola si vetrifica
la muela se vitrifica

3

Schleifer (m)
grinder
meuleur (m)

шлифовщикъ (m)
rettificatore (m), lavorante (m) alla mola
afilador (m), amolador (m)

4

Schleiferei (f)
grindery
atelier (m) de meulage, meulerie (f)

шлифовальня (f); шлифовальная мастерская (f)
riparto (m) delle mole, officina (f) di molatura
departamento (m) del afilado

5

Maschinenschliff (m)
machine grinding
meulage (m) à la machine

машинная или механическая шлифовка (f)
molatura (f) meccanica
afilado (m) á máquina

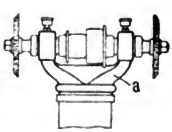
6

Werkzeugschleiferei (f)
tool grindery
atelier (m) d'affûtage

мастерская (f) для точенія инструментовъ; точильня (f)
riparto (m) delle affilatrici, officina (f) di affilatura di utensili
departamento (m) de afilar las herramientas

7

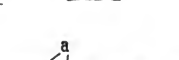
Schleifmaschinenspindelstock (m)
grinding machine head stock
poupée (f) de machine à meuler



бабка (f) точильнаго станка
testa (f) del mandrino della mola
cabezal (m) de husillo de máquina de afilar

8

Schleifsteinspindel (f), Schleifspindel (f), Schleifsteinwelle (f)
grinding wheel spindle
arbre (m) porte-meule



a

шлифовальный шпиндель (m); шпиндель шлифовальнаго камня
mandrino (m) della mola, albero (m) porta mola
árbol (m) ó husillo (m) porta-muela

9

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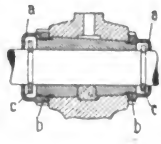
1 Schleifsteindorn (m)
grinding wheel arbor
mandrin (m) de meule

оправка (f) для точильнаго камня
mandrino (m) della mola
mandril (m) *ó* espiga (f) porta-muela

2 Schleifsteinspindellagerung (f)
arrangement of bearing for grinding wheel spindle
[montage (m) dans son] support (m) de l'arbre porte-meule



расположеніе(n) шпинделя въ подшипникахъ шлифовальнаго станка
sopporto (m) del mandrino della mola
[colocación (f) del] cojinete (m) porta-husillo de afilar

3 Schutzkappe (f), Schleifsteinschutzhaube (f), Schleifsteinhülle (f)
grinding wheel bearing protecting cover
capot (m) *ou* protecteur (m) *ou* garde (m) de meule

a

предохранительный колпачокъ (m)
cuffia (f) *o* guardia (f) di protezione
cubierta (f) protectora para muelas

4 Ringmutter (f)
ring nut
écrou (m) à bague

b

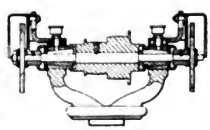
кольцевая гайка (f)
madrevite (f) ad anello, anello (m) filettato
tuerca (f) de anillo

5 Filzscheibe (f)
felt washer
rondelle (f) en feutre

c

войлочный дискъ (m) *или* кружокъ (m)
disco (m) *o* renella (f) di feltro
disco (m) de fieltro

6 Spindellagerung (f) für zwei Schleifsteine
arrangement of bearings for spindle carrying two grinding wheels
[montage (m) dans son] support (m) de la broche pour deux meules



расположеніе (n) шпинделя въ подшипникахъ при двухъ точильныхъ камняхъ
sopporto (m) per mandrino a due mole
[colocación (f) de] cojinetes (m pl) porta-árboles para dos muelas

7 selbsttätige Feineinstellung (f) der Schleifscheibe
self-acting fine feed of the grinding wheel
avance (f) automatique de précision de la meule

автоматическая точная установка (f) точильнаго круга
avanzamento (m) automatico della mola
graduación (f) automática de precisión de la muela

8 außerachsig gebohrte Spindel (f)
eccentrically bored spindle
broche (f) désaxée *ou* excentrée

эксцентрично просверленный шпиндель (m)
mandrino (m) eccentrico
árbol (m) taladrado excéntricamente

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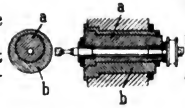
Planetenspindel (f)
spindle with eccentric *or* planet motion
broche (f) a mouvement planétaire *ou* excentrique



планетный шпиндель (m)
mandrino (m) a movimento planetario
árbol (m) de movimiento excéntrico compuesto

1

Hohlspindel (f)
hollow spindle
arbre (m) creux

a

полый *или* пустотѣлый шпиндель (m)
mandrino (m) cavo
árbol (m) hueco *ó* taladrado

2

Außenspindel (f)
outside spindle
bague (f) extérieure excentrée

b

внѣшній *или* наружный шпиндель (m)
manicotto (m) eccentrico
manguito (m) exterior

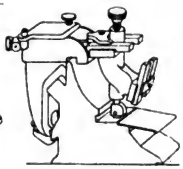
3

Längsvorschub (m) der Schmirgelscheibe
longitudinal traverse of the emery wheel
avancement (m) longitudinal de la meule [en] émeri

продольная подача (f) наждачнаго круга
avanzamento (m) assiale della mola
avance (m) longitudinal de la muela de esmeril

4

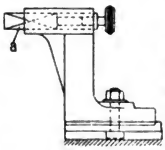
Schleifmaschinenlünette (f), Schleifmaschinenbrille (f)
grinder rest
lunette (f) de machine à meuler



люнетъ (m) *или* люнетта (f) шлифовальнаго станка
lunetta (f) di rettificatrice
luneta (f) de máquina de afilar

5

Gegenhalter (m)
poppet
tas (m) *ou* contre-poupée (f) d'appui



a

поддержка (f); упорка (f)
contropunta (f)
contra-punta (f) de apoyo

6

Aufspanndorn (m)
arbor
mandrin (m)

оправка (f)
mandrino (m) di fissaggio *o* di montaggio della mola
espiga (f) *ó* mandril (m) de sujeción

7

Schlitzschraube (f)
set screw with notched head
vis (f) à tête fendue

a

винтикъ (m) съ прорѣзомъ
vite (f) con spaccatura *o* con spacco
tornillo (m) de cabeza ranurada

8

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kegeliger *oder* konischer Aufspanndorn (m)
conical arbor
mandrin (m) conique

коническая оправка (f)
mandrino (m) conico di fissaggio
mandril (m) cónico *ó* espiga (f) cónica de sujeción

9

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magnetische Spannvorrichtung (f), Magnetspannvorrichtung (f)
magnetic holding device
dispositif (m) de fixation électromagnétique, table (f) de fixation magnétique

электромагнитное приспособленіе (n) для закрѣпленія обрабатываемаго предмета
dispositivo (m) magnetico di fissaggio
disposición (f) de sujeción electromagnética

magnetisches Spannfutter (n), Magnetfutter (n)
rotary magnetic chuck
mandrin (m) électromagnétique

магнитный *или* электромагнитный патронъ (m)
piattaforma (f) magnetica
mandril (m) electromagnético

magnetisch festspannen (v)
to hold by magnetic action
fixer (v) par l'adhérence électromagnétique

удерживать электромагнитнымъ путёмъ; закрѣпить обрабатываемый предметъ при помощи электромагнитнаго патрона
fissare (v) a mezzo di magnete
sujetar (v) magnéticamente

Schleifkontakt (m)
sliding contact
contact (m) glissant, balai (m)

скользящій контактъ (m); щётка (f)
contatto (m) per attrito
contacto (m) rozante

Befestigung (f) des Werkstücks durch Kitten
securing the work piece with cement
fixation (f) de la piece à usiner par collage

закрѣпленіе (n) обрабатываемаго предмета при помощи клея
fissaggio (m) *o* montaggio (m) del pezzo da lavorare per mezzo di materia adesiva
sujeción (f) de la pieza con masilla

Spezialmitnehmer (m)
special carrier
dispositif (m) d'entrainement spécial, chuck (m) spécial

спеціальный хомутикъ (m) *или* поводокъ (m)
menabriglia (m) speciale
tope (m) de arrastre especial

Schleifen (n) eines Werkzeuges
grinding a tool
affûtage (m) d'un outil

точеніе (n) инструмента
affilatura (f) di un utensile
afilado (m) de una herramienta

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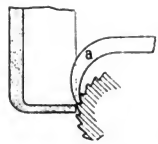
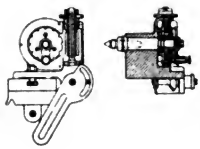
Führungsfinger (m), Finger (m)
guide finger
doigt (m) [de guidage]



a

крючокъ (m), направляющій инструментъ [при точкѣ каждаго зубца фрезы, развёртки и пр.] 1
punta (f) di guida
dedo (m) de guía

Schleifteilkopf (m)
dividing head for grinding machine
appareil (m) diviseur pour machines à meuler *ou* à affûter *ou* à rectifier

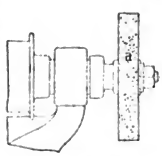


дѣлительная бабка (f) шлифовальнаго станка
testa (f) da dividere per affilatrici *o* rettificatrici 2
aparato (m) divisor para máquina de afilar

Schleifsteine
Grindstones
Meules

Точильные камни
Mole 3
Piedras de afilar

Schleifstein (m), Schleifscheibe (f), Schleifrad (n)
grindstone, grinding wheel
meule (f), pierre (f) à aiguiser *ou* à affûter



точило (n); точильный камень (m); точильный кругъ (m)
mola (f) 4
muela (f), piedra (f) de afilar, rueda (f) de afilar

Schleiffläche (f)
grinding surface
surface (f) de meulage

a

рабочая поверхность (f) точильнаго камня 5
superficie (f) arruotante
superficie (f) de afilar

Schleifstein (m)
grindstone, grinding stone
pierre (f) à affûter *ou* à aiguiser

точильный камень (m)
pietra (f) da affilare, mola (f)
piedra (f) de afilar 6

Korn (n) des Schleifsteins
grain of the grinding stone
grain (m) de la meule

зернистость (f) точильнаго камня 7
grana (f) della mola
grano (m) de la muela

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grob[körnig]er *oder* rauher Schleifstein (m)
coarse grained *or* rough grinding stone
meule (f) à gros grain

крупнозернистый *или* грубый точильный камень (m)
mola (f) a grana grossa
muela (f) de grano grueso 8

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halblinder Schleifstein (m)
medium grained grinding stone
meule (f) demi-douce

среднезернистый точильный камень (m)
mola (f) a grana mezzodolce *o* mezzana
muela (f) semi-dulce 9

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1	linder Schleifstein (m) fine grained grinding stone meule (f) douce	мелкозернистый точильный камень (m) mola (f) a grana dolce muela (f) dulce
2	harter Schleifstein (m) hard grinding stone meule (f) dure	твёрдый точильный камень (m) mola (f) dura muela (f) dura
3	weicher Schleifstein (m) soft grinding stone meule (f) tendre	мягкій точильный камень (m) mola (f) tenera muela (f) blanda
4	Schleifmittel (n), Schleifmaterial (n) grinding material, abrasive substances (f pl) abrasives	шлифовальный матеріалъ (m); матеріалъ, служащій для точильныхъ работъ sostanza (f) *o* materiale (m) *o* materia (f) arruotante materiales (m pl) de afilar
5	Sandstein (m) sandstone grès (m)	песчаникъ (m) arenaria (f) piedra (f) arenisca, gres (m)
6	Tonsandstein (m) argillaceous sand stone grès (m) argileux	глинистый песчаникъ (m) arenaría (f) argillosa piedra (f) arenisco-arcillosa
7	Kieselsandstein (m) siliceous sand stone grès (m) siliceux	кремнистый песчаникъ (m) arenaria (f) silicea piedra (f) arenisco-silíciosa
8	Kalksandstein (m) calcareous sand stone grès (m) calcaire	известковый песчаникъ (m) arenaria (f) calcare piedra (f) arenisco-caliza
9	Wetzschiefer (m) turkey stone, hone schiste (m) *ou* ardoise (f) à aiguiser *ou* repasser	точильный сланецъ (m) schisto (m), schisto (m) per affilare, pietra (f) da cote piedra (f) de afilar pizarreña
10	Arkansasstein (m), Kansasstein (m) Arkansas stone, Kansas stone pierre (f) du Kansas	оселокъ (m) „Аркансасъ“ pietra (f) del Kansas piedra (f) Arkansas
11	Schmirgel (m) emery émeri (m)	наждакъ (m) smeriglio (m) esmeril (m)
12	Schmirgelpulver (n) emery powder émeri (m), poudre (f) d'émeri, émeri (m) pulvérisé *ou* en poudre	наждачный порошокъ (m); наждакъ (m) въ порошкѣ polvere (f) di smeriglio polvo (m) de esmeril

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Schmirgelstein (m), Schmirgelscheibe (f)
emery stone
meule (f) en émeri

наждачный кругъ (m)
mola (f) *o* cote (f) di smeriglio
disco (m) *ó* piedra (f) *ó* muela (f) de esmeril *1*

Schmirgelleinwand (f), Schmirgelleinen (n)
emery cloth
toile (f) d'émeri, toile (f) à l'émeri, toile (f) émerisée

наждачный холстъ (m); наждачное полотно (n) *2*
tela (f) smerigliata
tela (f) de esmeril

Schmirgelpapier (n)
emery paper
papier (m) [à l']émeri

наждачная бумага (f)
carta (f) smerigliata
papel (m) de esmeril *3*

Korundum (n), Korund (m)
corundum
corindon (m)

корундъ (m); алмазный шпатъ (m)
corindone (m)
corundun (m) *4*

Korubin (n)
corubin
corindon (m), rubis (m)

искусственный корундъ (m); корубинъ (m) *5*
rubino (m) per uso industriale
corindon (m)

Karborund[um] (n)
carborundum
carborundum (m)

карборундъ (m)
carborundum (m)
carborundum (m) *6*

Karborundum[schleif-]scheibe (f)
carborundum grinding wheel
meule (f) en carborundum

карборундовый точильный кругъ (m)
mola (f) di carborundum
muela (f) de carborundum *7*

Alundum (n)
alundum
alumine (f) hydratée (pour le meulage)

алундумъ (m); веществ во (n), получаемое изъ аморфнаго гидрата-окиси алюминія *8*
alundum (m)
alúmina (f) hidratata (para afilar)

Wasserstein (m)
whetstone
pierre (f) à l'eau

оселокъ (m) *или* точильный брусокъ (m) для мокрой точки *9*
cote (f) ad acqua
piedra (f) de agua

Ölstein (m)
oilstone
pierre (f) à l'huile

оселокъ (m) *или* точильный брусокъ (m) для точки съ масломъ *10*
cote (f) ad olio
piedra (f) de aceite

Schleifrad (n)
grinding wheel
meule (f)

точильный *или* шлифовальный кругъ (m)
mola (f)
muela (f) *ó* piedra (f) *ó* disco (m) de afilar *11*

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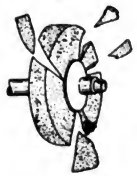
Schleifscheiben-abnützung (f)
1 wear of the grinding wheel
usure (f) de la meule

износъ (m) точильнаго круга; изнашиваніе (n) шлифовальнаго круга
usura (f) *o* consumo (m) della mola
desgaste (m) de la muela

Bersten (n) der Schleifscheibe
2 rupture *or* bursting of the grinding wheel
rupture (f) de la meule

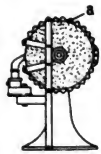
растрескиваніе (n) точильнаго круга; лопаніе (n) шлифовальнаго круга
spaccatura (f) della mola
el reventar de la muela

Zerspringen (n) der Schleifscheibe
3 flying off of the grinding wheel
éclatement (m) de la meule



разрывъ (m) на части точильнаго *или* шлифовальнаго круга
rottura (f) della mola con projezione dei pezzi
el hacerse pedazos de la muela

Schutzbügel (m)
4 guard
garde (f) de protection



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предохранительный чехолъ (m)
cuffia (f) *o* guardia (f) di protezione
arco (m) *ó* cerco (m) de protección

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glätten (v)
5 to glaze
polir (v)

полировать; лощить
polire (v), brunire (v)
alisar (v)

Glaspapier (n)
6 glass paper
papier (m) de verre

стеклянная бумага (f); шкурка (f)
carta (f) vetrata
papel (m) de lija

Kupferpolierscheibe (f)
copper burnishing wheel, buff
7 disque (m) à brunir le cuivre

мѣдный полировальный кругъ (m) *или* дискъ (m)
disco (m) *o* ruotella (f) di rame per polire *o* per brunire
disco (m) de pulir el cobre

Schleifpulver (n)
burnishing *or* polishing powder
8 poudre (f) à meuler

шлифовальный порошокъ (m)
polvere (f) per molare
polvo (m) de pulir

Polierrot (n), englisch Rot (n)
polishing *or* buffing ochre
9 ocre (f) à polir, rouge (m) d'Angleterre

самородная окись (f) желѣза; крововикъ (m); крокусъ (m), примѣняемый при полированіи желѣзныхъ предметовъ
rossetto (m) inglese
pasta (f) de pulir

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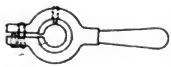
Polierdorn (m)
buffing *or* polishing cone
brunissoir (m) conique

полировальный конусъ (m)
mandrino (m) conico per polire *o* per brunire 1
espiga (f) cónica de pulir

Polierbüchse (f) mit Halter
polishing clamp
pince (f) à polir



полировальный хомутикъ (m) съ ручкой; жимки (m pl)
portapezzo (m) per pezzi da polire *o* da brunire 2
caja (f) *ó* casquillo (m) de pulir con portador

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VII.

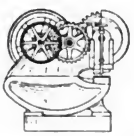
Scheren und Lochmaschinen
Shearing and Punching Machines
Cisailles et poinçonneuses
Ножницы и дыропробивные станки
Cesoie e punzonatrici
Tijeras y punzonadoras

Arten und Antrieb
1 **Types and Method of Driving**
Types et commandes
Типы и передачи
Tipi e comandi
Tipos y movimiento motor

2 Schere (f)
shears
cisaille (f)

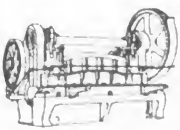
ножницы (f pl)
cesoia (f), trancia (f)
tijeras (f pl)

3 Maschinenschere (f)
shearing machine
cisaille (f), cisaille (f) mécanique



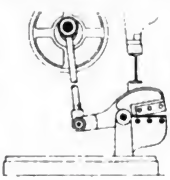
механическія ножницы (f pl)
cesoia (f) *o* trancia (f) meccanica
máquina (f) de cortar

4 Parallelschere (f) Rahmenschere (f), Guillotinschere (f)
guillotine [shears]
cisaille (f) à guillotine



параллельныя ножницы (f pl); ножницы съ параллельными ножами
cesoia (f) *o* trancia (f) a ghigliottina
tijera (f) paralela *o* de guillotina

5 Bogenschere (f), Hebelschere (f)
power driven crocodile shearing machine
cisaille (f) à levier, cisaille (f) à mâchoire



рычажныя ножницы (f pl)
cesoia (f) *o* trancia (f) a leva
tijera (f) de palanca

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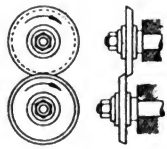
Kreisschere (f)
circular shears
cisaille (f) à molettes, cisaille (f) circulaire



круглыя ножницы (f pl); ножницы, въ которыхъ служатъ ножами два вращающихся диска *1*
cesoia (f) circolare, cesoia (f) a dischi
tijera (f) circular

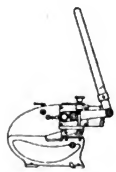
Rundschneidmaschine (f), Rundschere (f)
shearing machine for round plates
cisaille (f) pour couper rond

ножницы (f pl) для вырѣзанія дисковъ
cesoia (f) circolare per dischi *2*
tijera (f) para cortar redondo

Eisenspaltwerk (n), Schneidwerk (n)
slitting mill *or* rollers
appareil (m) à découper des bandes de tôle

рѣзной станъ (m)
apparecchio (m) per tranciare *o* dividere metalli *3*
aparato (m) *ó* disposición (f) de cortar metales

Hebelschere (f), Alligatorschere (f)
hand lever *or* crocodile hand lever shearing machine
cisaille (f) à levier, cisaille (f) à main



рычажныя ножницы (f pl)
cesoia (f) *o* trancia (f) a leva a mano *4*
tijera (f) á palanca, tijera (f) á mano

Stockschere (f), Bockschere (f)
bench shears
cisaille (f) d'établi à main

стуловыя ножницы (f pl)
cesoia (f) *o* trancia (f) da banco *5*
tijera (f) á palanca

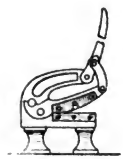
Tafelschere (f)
printers *or* bookbinders shears
cisaille (f) à balancier, cisaille (f) à main pour feuillards

столовыя ножницы (f pl); ножницы со столомъ для обрѣзки листовъ *6*
cesoia (f) a tavola
cizalla (f), tijera (f) de mesa

Winkelhebelschere (f)
angle lever shears
cisaille (f) à levier coudé

колѣнчатыя рычажныя ножницы (f pl)
cesoia (f) *o* trancia (f) a leva d'angolo *7*
cizalla (f) de palanca acodada

Maulschere (f)
double lever shears
cisaille (f) à double levier



двухрычажныя ножницы (f pl)
trancia (f) a doppia guancia mobile *8*
cizalla (f) de palanca doble

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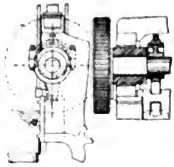
1 Schere (f) mit Exzenterantrieb
shearing machine with eccentric driving shaft
cisaille (f) à commande par excentrique



ножницы (f pl) съ эксцентриковымъ приводомъ
trancia (f) con comando ad eccentrico
tijera (f) de movimiento excéntrico

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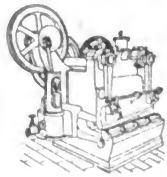
2 Schere (f) mit Dampfantrieb, Dampfschere (f)
shearing machine with direct acting steam engine
cisaille (f) à vapeur



паровыя ножницы (f pl); ножницы съ приводомъ отъ паровой машины
trancia (f) a vapore, trancia (f) con motore a vapore
tijera (f) movida directamente por vapor, tijera (f) combinada de vapor para la impulsión directa

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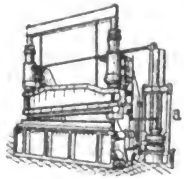
3 Wasserdruckschere (f), Wasserschere (f), hydraulische Schere (f)
hydraulic shearing machine
cisaille (f) hydraulique



гидравлическія ножницы (f pl); ножницы съ гидравлическимъ приводомъ
trancia (f) idraulica
tijera (f) hidráulica

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4 Wasserdruckpresse (f)
hydraulic pressure pump
presse (f) hydraulique

a

гидравлическій прессъ (m)
pressa (f) idraulica
prensa (f) hidráulica

---

5 Wasserdruckschere (f) für Stahlblöcke
hydraulic shearing machine for blooms and billets
cisaille (f) hydraulique à blooms *ou* billettes

гидравлическія ножницы (f pl) *или* ножницы съ гидравлическимъ приводомъ для рѣзки стальныхъ болванокъ
trancia (f) idraulica per lingotti
tijera (f) hidráulica para bloques de acero *o* tochos de acero

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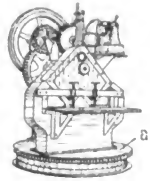
6 drehbare Schere (f), Schere (f) auf drehbarem Gestell
revolving shearing machine
cisaille (f) pivotante



поворотныя ножницы (f pl); ножницы на поворотномъ кругѣ
trancia (f) girevole
tijera (f) montada para girar sobre su zócalo, tijera (f) giratoria

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7 Drehscheibe (f)
revolving bed plate
platea[illegible]) tournant

a

поворотный кругъ (m); поворотная плита (f)
piattaforma (f) girevole
disco (m) giratorio

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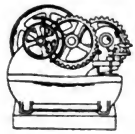
Blechscher[maschin]e (f)
plate cutting *or* shearing machine
cisaille (f) à tôle

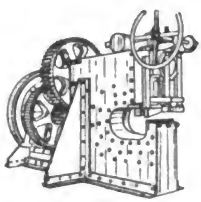


листовыя ножницы (f pl); ножницы для рѣзки листовъ
trancia (f) *o* cesoia (f) per lamiere
tijera (f) para cortar chapas

Handblechschere (f)
hand shears, snips
cisaille (f) à main pour tôle

ручныя листовыя ножницы (f pl); ручныя ножницы для рѣзки листового желѣза
cesoia (f) a mano, forbice (f)
tijeras (f pl) á mano para cortar chapas

Schrotschere (f)
scrap shearing machine
cisaille (f) à mitraille, cisaille (f) pour riblons *ou* lopins



ножницы (f pl) для рѣзки листовъ на мелкія части
trancia (f) da sbavare *o* da sgrossare
tijera (f) para cortar retazos de metal, cizalla (f) para tochos

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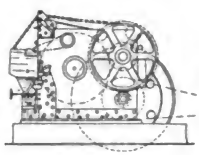
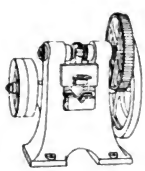
Trägerschere (f)
joist *or* I-iron shearing machine
cisaille (f) à poutrelles *ou* à profilés



ножницы (f pl) для рѣзки тавровыхъ балокъ
trancia (f) per ferri a doppio T, trancia (f) per ferri profilati
tijera (f) para cortar escuadras

Winkeleisenschere (f)
angle iron shearing machine
cisaille (f) à cornières



ножницы (f pl) для рѣзки углового желѣза
trancia (f) per ferri d'angolo
tijera (f) para cortar hierro-ángulo

Rohrschneider (m), Röhrenabschneider (m).
pipe cutter
appareil (m) à tronçonner les tuyaux

труборѣзный станокъ (m)
tagliatubi (m)
corta-tubos (m)

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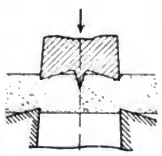
1

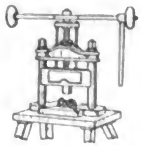
Lochmaschine (f), Durchschnitt (m), Durchstoß (m), Lochwerk (n), Durchbruchmaschine (f), Stanze (f), Lochstanze (f), [Loch-] Stanzmaschine (f)
punching machine
machine (f) à poinçonner, poinçonneuse (f)



дыропробивный прессъ (m); дыропробивный станокъ (m); медвѣдка (f); комаръ (m)
punzonatrice (f)
punzonadora (f), máquina (f) de punzonar

2

Schraubenstanze (f), Schraubendurchschnitt (m), Handspindelpresse (f)
hand power screw punching press
poinçonneuse (f) à balancier *ou* à vis



винтовой дыропробивный прессъ (m)
punzonatrice (f) a vite
prensa (f) de husillo movida á mano, balancín (m)

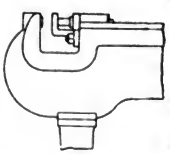
3

Hebelstanze (f), Hebeldurchschnitt (m)
lever punch
poinçonneuse (f) à levier

рычажный дыропробивный прессъ (m)
punzonatrice (f) a leva
punzonadora (f) á palanca

4

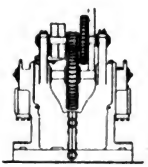
Stanze (f) *oder* Durchschnitt (m) mit wag[e]rechter Stempellage
horizontal punching machine
machine (f) à poinçonner *ou* poinçonneuse (f) horizontale



дыропробивный прессъ (m) съ горизонтально расположеннымъ пу[а]сономъ *или* штемпелемъ
punzonatrice (f) orizzontale
punzonadora (f) horizontal

5

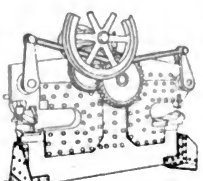
doppelte *oder* zweiseitige Stanze (f), doppelter Durchschnitt (m)
double punching machine
poinçonneuse (f) double



двойной дыропробивный прессъ (m)
punzonatrice (f) doppia
punzonadora (f) doble

6

[vereinigte *oder* kombinierte] Scher- und Lochmaschine (f)
combined punching and shearing machine
cisaille-poinçonneuse (f), machine (f) à cisailler et à poinçonner combinée



дыропробивный прессъ (m) съ ножницами; скомбинированные дыропробивный прессъ (m) и ножницы (f pl)
trancia (f) e punzonatrice (f) combinata
tijera (f) á motor combinada con punzonadora

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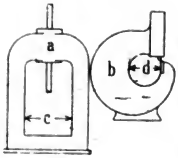

Scherengestell (n)
shears frame
bâti (m) de cisaille

станина (f) ножницъ
incastellatura (f) della cesoia *o* della trancia
bastidor (m) de tijera

1

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torförmiges *oder* rahmenförmiges Gestell (n)
stirrup frame
bâti (m) à cage, bâti (m) fermé

a

рамообразная станина (f)
incastellatura (f) a telaio *o* a gabbia
bastidor (m) de tijera en forma de marco

2

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bügelförmiges Gestell (n)
bear frame
bâti (m) à col de cygne, bâti (m) à gorge, bâti (m) en C

b

дугообразная станина (f)
incastellatura (f) a collo d'oca, incastellatura (f) a gola
bastidor (m) arqueado *ó* en forma de C

3

Gestellweite (f)
width inside frame
largeur (f) du bâti, écartement (m) des montants

c

разстояніе (n) между стойками станинъ
larghezza (f) *o* luce (f) della incastellatura
luz (f) entre montantes

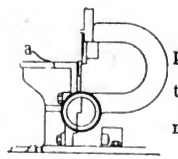
4

Ausladung (f) [des Bügels]
depth of gap
portée (f), profondeur (f) de gorge

d

вылетъ (m)
profondità (f) della gola
abertura (f) del arco

5



Auflegetisch (m) *oder* Tisch (m) der Schere, Scherenauflegtisch (m)
shearing machine table
table (f) de cisaille

рабочій столъ (m) ножницъ
tavola (f) della cesoia *o* della trancia
mesa (f) de la tijera

6

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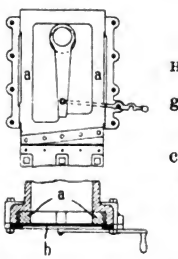
a



Schlittenführung (f) der Schere
guidance of the shear blade in a slide
guidage (m) du chariot entre glissières

направляющія (f pl) салазокъ ножей
guida (f) della slitta *o* del portalama della cesoia
conducción (f) del carro porta-útil entre las guias

7

Scherblattschlitten (m), Schlitten (m) der Schere, Stößel (m)
shear blade slide
chariot (m) porte-lame de cisaille

a

салазки (f pl) ножей ножницъ
slitta (f) portalama, slitta (f) portacoltelli
carro (m) porta-útil de la tijera

8

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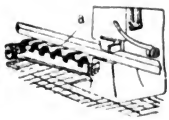
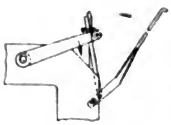
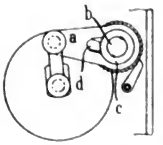
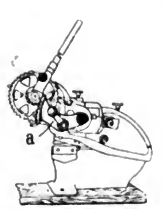
1	Deckplatte (f), Führungsplatte (f) cover plate plaque (f) de recouvrement	b	крышка (f) piastra (f) di chiusura, coperchio (m) placa (f) de cubierta
2	Rollenfeld (n), Rollengestell (n) feed rollers, roller path train (m) à rouleaux	 a	роликовый столъ (m) treno (m) a rulli plano (m) de rollos
3	Hebelantrieb (m) lever motion commande (f) par levier		рычажная передача (f); рычажный приводъ (m) comando (m) a leva movimiento (m) á palanca
4	Drückerschaltwerk (n) pressure mechanism mécanisme (m) d'avancement par roue à rochet et cliquet *ou* poussoir		механизмъ (m) передачи движенія посредствомъ качающагося рычага и храпового устройства meccanismo (m) di avanzamento a crichetto mecanismo (m) de impulso por trinquete ó vástago de presión
5	Schwinghebel (m) reciprocating lever levier (m) oscillant	a	качающійся рычагъ (m) leva (f) oscillante palanca (f) oscilante
6	Exzenterwelle (f) eccentric shaft arbre (m) à excentrique	b	эксцентриковый валъ (m) albero (m) ad eccentrico eje (m) excéntrico
7	Druckring (m) pressure ring bague (f) de pression	c	нажимное кольцо (n) anello (m) di pressione anillo (m) de presión
8	Drücker (m) pressure pitman poussoir (m)	d	собачка (f) nasello (m) premente, punzone (m) vástago (m) de presión
9	Kniehebel (m) toggle lever levier (m) à genouillère	 a	колѣнчатый рычагъ (m) leva (f) a gomito palanca (f) acodada

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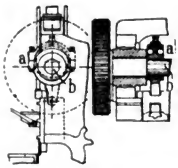
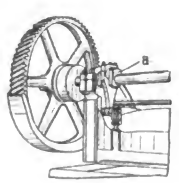
Exzenter (n) eccentric excentrique (m)		эксцентрикъ (m) eccentrico (m) excéntrica (f)	1
	a		
Exzenterzapfen (m) eccentric pin tourillon (m) d'excentrique, bouton (m) d'excentrique	b	эксцентрическая цапфа (f) perno (m) dell'eccentrico espiga (f) excéntrica	2
Exzenterauslösung (f) eccentric disengagement débrayage (m) par excentrique		расцѣпленіе (n) эксцентрика disinnesto (m) ad eccentrico disparo (m) por excéntrica	3
Schraubenantrieb (m), Scherenantrieb (m) durch Schraube screw drive commande (f) de cisaille par vis		винтовой приводъ (m) ножницъ comando (m) a vite impulsión (f) por tornillo	4
Daumenantrieb (m), Scherenantrieb (m) durch einen Daumen cam drive commande (f) [de cisaille] par came		кулачный приводъ (m) ножницъ comando (m) a camma impulsión (f) por leva	5
Daumen (m) cam came (f)		палецъ (m); кулакъ (m) camma (f) leva (f)	6
Daumenscheibe (f), Hubscheibe (f) cam plate plateau (m) *ou* disque (m) à came	a	кулачная шайба (f); кулачный дискъ (m) disco (m) a camma, camma (f) di comando dell'alzata disco (m) de leva, disco (m) de carrera	7
Kurbel (f) crank manivelle (f)		кривошипъ (m) manovella (f) manivela (f)	8
	a		

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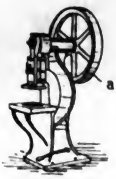
1 Schwungradantrieb (m), Scherenantrieb (m) durch Schwungrad
fly wheel drive
commande (f) de cisaille par volant



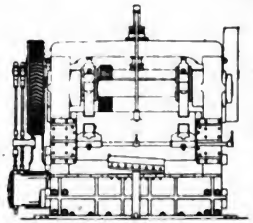
приводъ (m) ножницъ отъ маховика
comando (m) della trancia a mezzo di volante
movimiento (m) de la tijera por volante

2 Schwungrad (n)
fly wheel
volant (m)

a

маховикъ (m); маховое колесо (n)
volante (m)
volante (m)

3 Scherenantrieb (m) durch Dampfmaschine
steam drive of shears
commande (f) [de cisaille] à vapeur

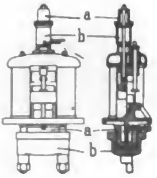


приводъ (m) ножницъ отъ паровой машины
comando (m) della trancia a mezzo di motore a vapore
movimiento (m) por vapor directo, movimiento (m) de la tijera por máquina de vapor acoplada directamente

4 Lenkstange (f)
connecting rod
bielle (f)

шатунъ (m)
biella (f)
biela (f)

5 Scherenantrieb (m) durch Druckwasser
hydraulic drive of shears
commande (f) [de cisaille] hydraulique



гидравлическій приводъ (m) ножницъ
comando (m) della trancia a mezzo di acqua compressa
movimiento (m) por presión hidráulica

6 Mönch[s]kolben (m), Mönch (m), Obermönch (m)
hydraulic piston
piston (m) hydraulique, plongeur (m)

a

ныряло (n); поршень (m); скалка (f)
stantuffo (m) tuffante
macho (m)

7 Nonne (f), Untermönch (m)
cylinder
cylindre (m) hydraulique

b

гидравлическій цилиндръ (m)
cilindro (m)
hembra (f)

8 Ausrückung (f) des Scherblattantriebs
throwing the shears out of motion
débrayage (m) du mouvement de la lame de cisaille

остановка (f) ножа у ножницъ
disinnesto (m) del comando della slitta portalama *o* portacoltelli
disparo (m) [ó paro] del movimiento de la hoja de tijera

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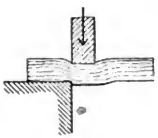
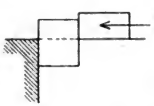
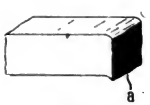
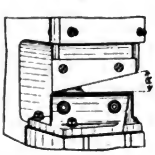
Arbeitsweise Method of Working Mode de travail		Способъ работы Metodo di lavoro Sistema de trabajar	
schneiden (v) to cut couper (v)		рѣзать tagliare (v), tranciare (v) cortar (v)	2
Schnitt (m) cut coupe (f)		разрѣзъ (m); рѣзаніе (n) taglio (m), tranciatura (f) corte (m)	3
Schnittwiderstand (m) resistance to cutting résistance (f) à la coupe *ou* au cisaillement		сопротивленіе (n) рѣзанію resistenza (f) alla rescissione resistencia (f) de corte	4
abscheren (v) to shear cisailler (v), enlever (v) à la cisaille		срѣзáть; срѣзать tranciare (v) recortar (v)	5
Abscherung (f) shearing cisaillement (m)		срѣзываніе (n) tranciatura (f) el racortar	6
Abscher[ungs]richtung (f) direction of shearing direction (f) de cisaillement		направленіе (n) срѣзыванія direzione (f) del taglio dirección (f) de corte	7
Scherfläche (f), Abscherungsfläche (f), Abscherungsquerschnitt (m) section of shear surface (f) *ou* section (f) de cisaillement	 a	площадь (f) срѣзыванія superficie (f) *o* sezione (f) tranciata superficie (f) *ó* sección (f) de corte	8
Scher[en]winkel (m), Kreuzungswinkel (m) angle of shear blades angle (m) de la coupe *ou* inclinaison (f) des lames	 α	уголъ (m) между рѣжущими кромками ножей у ножницъ; уголъ рѣзанія angolo (m) di taglio ángulo (m) del corte *o* de cruziamiento de las cuchillas	9
abschneiden (v) to cut off cisailler (v), couper (v)		срѣзáть; срѣзать tagliare (v), tranciare (v) cortar (v), recortar (v)	10

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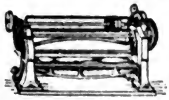
1 Beschneiden (n) der Bleche
shearing the plates
rognage (m) de tôles



обрѣзка (f) листовъ
tranciatura (f) *o* taglio (m) delle lamiere
el recortar de las chapas

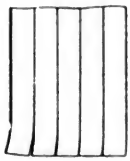
2 entgraten (v), abgraten (v)
to take off the burr
ébarber (v)

скашивать углы; сглаживать неровности; снять заусенцы
sbavare (v)
desbarbar (v)

3 Bleche zerschneiden (v)
to cut a plate *or* sheet
couper (v) des tôles, cisailler (v)

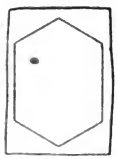
разрѣзáть (разрѣзать) листы
tranciare (v) *o* tagliare (v) lamiere
cortar (v) chapas

4 in Streifen schneiden (v)
to cut in strips
découper (v) en bandes *ou* en feuillards



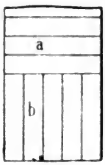
разрѣзáть (разрѣзать) на полосы
tagliare (v) in striscie
cortar (v) en tiras

5 ausschneiden (v)
to cut out
découper (v)



вырѣз-ать (-ывать)
tranciare (v) in sagoma *od* a stampo, punzonare (v)
calar (v)

6 Querschneiden (n)
cross *or* transverse cutting
cisaillement (m) transversal, coupe (f) transversale



разрѣзаніе (n) поперёкъ (m)
taglio (m) trasversale
corte (m) transversal

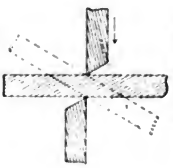
a

7 Längsschneiden (n)
longitudinal cutting
cisaillement (m) longitudinal, coupe (f) longitudinale

b

разрѣзаніе (n) вдоль
taglio (m) longitudinale
corte (m) longitudinal

8 Kippen (n) *oder* Ecken des Werkstücks
tipping *or* kicking up of the work
inclinaison (f) de la pièce à cisailler



наклоненіе (n) обрабатываемаго предмета
sollevamento (m) *od* inclinazione (f) del pezzo da lavorare
inclinación (f) de la pieza de labor

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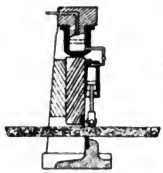
Niederhalten (n) des Werkstücks [durch Wasserdruck *oder* Schrauben]*
holding down the work by hydraulic *or* screw pressure
maintien (m) de la pièce à cisailler [par pression hydraulique *ou* par vis]



удерживаніе (n) обрабатываемаго предмета [при помощи гидравлическаго *или* винтового давленія]
assoggettatura (f) *o* fissatura (f) del pezzo a mezzo di pressione idraulica *od* a vite
fijación (f) de la pieza de labor [por presión de agua *ó* tornillos] *1*

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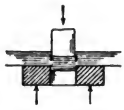
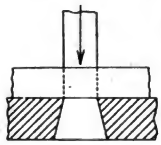
stanzen (v)
to punch
poinçonner (v)



штамповать; проби-ть (-вать) отверстія
punzonare (v)
punzonar (v) *2*

---

lochen (v), Löcher stanzen (v), durchlochen (v), Löcher ausschlagen (v)
to punch holes, to perforate
poinçonner (v)

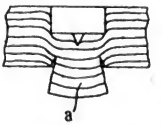


проби-ть (-вать) *или* выби-ть (-вать) *или* продав-ить (-ливать) отверстія
forare (v) con punzone, punzonare (v), perforare (v)
punzonar (v) *3*

Lochen (n)
punching (of holes)
poinçonnage (m)

пробивка (f) *или* продавливаніе (n) отверстій
punzonatura (f) (di fori)
punzonamiento (m) *4*

Putzen (m)
punching
débouchure (f), découpure (f)

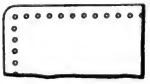


a

выдавка (f); продавка (f)
grano (m)
disco (m) recortado con el punzón *5*

---

gelochtes Blech (n)
punched plate
tôle (f) perforée



желѣзный листъ (m) съ продавленными отверстіями
lamiera (f) perforata *o* punzonata
chapa (f) agujerada *6*

Stoßzahl (f)
number of punchings
nombre (m) de coups *ou* de courses

число (n) отверстій
numero (m) delle corse dell'utensile
número (m) de golpes *7*

Lochung (f)
perforation
perforation (f)

отверстіе (n)
perforazione (f), punzonatura (f)
perforación (f) *8*

---

geschnittenes Loch (n)
cut out hole
trou (m) découpé

вырѣзанное отверстіе (n)
foro (m) punzonato
agujero (m) cortado *9*

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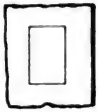
1 **glattwandiges Loch (n)**
smooth hole
trou (m) [à paroi] lisse

отверстіе (n) съ гладкими стѣнками
foro (m) a pareti liscie, foro (m) liscio
agujero (m) de paredes lisas

2 **rundes Loch (n)**
round *or* **circular hole**
trou (m) rond

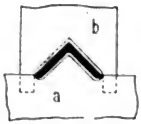
круглое отверстіе (n)
foro (m) rotondo
agujero (m) redondo

3 **rechteckiges Loch (n)**
rectangular hole
trou (m) rectangulaire



прямоугольное отверстіе (n)
foro (m) rettangolare
agujero (m) rectangular

4 **Scherblatt (n), Scherbacke (f)**
shear blade
lame (f) de cisaille



a, b

ножъ (m) у ножницъ
lama (f) *o* coltello (m) di cesoia *o* di trancia
lámina (f) de tijera, lámina (f) cortante, cuchilla (f)

5 **Brustfläche (f) des Scherblattes**
front of cutting edge of shear blade
surface (f) latérale de la lame de cisaille

c

боковая скошенная поверхность (f) ножа у ножницъ
unghia (f) della lama del coltello
superficie (f) de frente de la cuchilla

6 **Scherblattkante (f) [cutting] edge of the shear blade**
arête (f) de lame de cisaille

d e

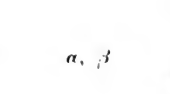
лезвіе (n) *или* лезвеё (n) *или* рѣжущая кромка (f) ножа у ножницъ
filo (m) della lama del coltello
canto (m) de la cuchilla

7 **Kantenwinkel (m), Schneidwinkel (m)**
angle of backing off
angle (m) de coupe de la lame

α, β

уголъ (m) между лезвіями *или* между рѣжущими кромками у ножей
angolo (m) tagliente dell'unghia
ángulo (m) del canto

8 **Scherblattüberlappung (f)**
overlap of shear blades
chevauchement (m) des lames de cisaille



a

перекрыша (f) ножей
parte (f) accavallata delle lame dei coltelli
solapa (f) de las cuchillas

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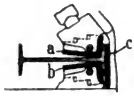
Obermesser (n)
top shear blade
lame (f) supérieure



a

верхній ножъ (m)
lama (f) *o* coltello (m) superiore
cuchilla (f) superior *1*

Untermesser (n)
bottom shear blade
lame (f) inférieure

b

нижній ножъ (m)
lama (f) *o* coltello (m) inferiore
cuchilla (f) inferior *2*

Seitenmesser (n)
cross cut shear blade
lame (f) latérale

c

боковой ножъ (m)
lama (f) *o* coltello (m) laterale
cuchilla (f) lateral *3*

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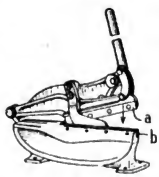
tätiges *oder* bewegliches Scherblatt (n)
movable shear blade
lame (f) mobile de la cisaille

a



подвижной *или* рабочій ножъ (m)
lama (f) *o* coltello (m) mobile
cuchilla (f) móvil *4*

---

stützendes *oder* festes Scherblatt (n)
fixed shear blade
lame (f) fixe de la cisaille

b

неподвижный *или* опорный ножъ (m)
lama (f) fissa, coltello (m) fisso
cuchilla (f) fija *5*

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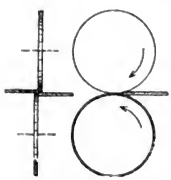
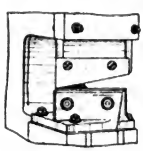
kreisförmiges Scherblatt (n)
circular shear blade
lame (f) circulaire de cisaille



ножъ (m) въ видѣ круглаго стальнаго диска; дисковый ножъ
lama (f) *o* coltello (m) circolare
cuchilla (f) circular *6*

Scherenmaul (n)
mouth of shears
mâchoire (f) de cisaille



раскрытіе (n) *или* зѣвъ (m) ножницъ
gola (f) della cesoia *o* della trancia
boca (f) de la tijera *7*

Hub (m) des Scherblattes, Scherblatthub (m), Hubhöhe (f)
stroke of shear blade
course (f) de la lame de cisaille

ходъ (m) ножа у ножницъ; величина (f) хода
corsa (f) della lama, alzata (f) del coltello
carrera (f) de la cuchilla *8*

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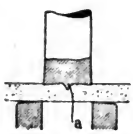
1 Kauen (n), Auseinanderdrängen (n) der Scherblätter
springing away of the shear blade
mâchonnement (m), déviation (f) des lames

распираніе (n) ножей у ножницъ
deviamento (m) delle lame *o* dei coltelli
deviación (f) de las (hojas de) cuchillas

2 Lochstempel (m), Stempel (m), Schneidstempel (m), Durchschnitt (m), Oberstanze (f)
punch
poinçon (m)

пу[а]нсонъ (m); штемпель (m)
punzone (m)
punzón (m)

3 Stempelkante (f)
edge of the punch
bord (m) tranchant de poinçon, arête (f) de poinçon



рѣжущая кромка (f) пу[а]нсона *или* штемпеля
tagliente (m) del punzone
canto (m) *ó* corte (m) del punzón

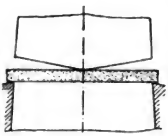
4 Stempelkörner (m)
center punch
pointe (f) du poinçon

кернеръ (m) пу[а]нсона
punta (f) del punzone
punta (f) del punzón

5 Stempelkopf (m)
nose of the punch
tête (f) du poinçon

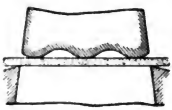
головка (f) пу[а]нсона *или* штемпеля
gambo (m) *o* stelo (m) del punzone
cabeza (f) del punzón

6 Stempel (m) mit gebogener Endfläche
punch with V shaped nose
poinçon (m) à tête bombée



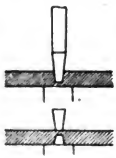
пу[а]нсонъ (m) *или* штемпель (m) съ выпуклой рабочей поверхностью
punzone (m) con tagliente arcuato
punzón (m) con punta central, punzón (m) combado

7 Stempel (m) mit gewellter Endfläche
punch with fluted *or* corrugated nose
poinçon (m) à tête ondulée



пу[а]нсонъ (m) *или* штемпель (m) съ волнистой рабочей поверхностью
punzone (m) con tagliente ondulato
punzón (m) con extremo ondulado

8 Durchschlag (m)
punch, drift
poinçon (m) à main, chasse-rivet (m)



пробойникъ (m); бородокъ (m)
punzone (m) a mano, punteruolo (m)
punzón (m) á mano

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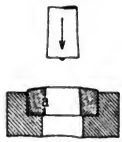
Lochring (m), Lochscheibe (f), Matrize (f), Mater (f), Unterscheibe (f), Unterstanze (f)
die
matrice (f) de poinçonneuse

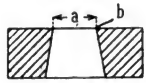


a

матрица (f)
matrice (f)
matriz (f)

1

Lochringöffnung (f), Matrizenöffnung (f)
hole in the die
ouverture (f) *ou* calibre (m) de matrice



a

отверстіе (n) матрицы
apertura (f) *o* calibro (m) della matrice
abertura (f) de la matriz

2

Lochringrand (m), Matrizenrand (m)
edge *or* rim of hole in the die
bord (m) *ou* arête (f) de matrice

b

кромка (f) матрицы
orlo (m) *o* labbro (m) del foro della matrice
borde (m) de la matriz

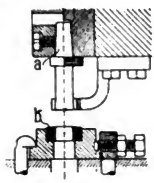
3

Lochringkante (f)
cutting edge of hole in the die
arête (f) de la matrice

кромка (f) матрицы
orlo (m) tagliente della matrice
canto (m) de la matriz

4

Stempelbefestigung (f)
holding the punch
fixation (f) du poinçon



a

укрѣпленіе (n) пу[а]нсона; закрѣпленіе (n) штемпеля
fissaggio (m) *o* montaggio (m) del punzone
sujeción (f) del punzón

5

Lochringbefestigung (f)
holding the die
fixation (f) de la matrice

b

укрѣпленіе (n) *или* закрѣпленіе (n) матрицы
fissaggio (m) *o* montaggio (m) della matrice
sujeción (f) de la matriz

6

Lochringplatte (f)
die plate
étampe (f)

a

доска (f) съ матрицами
piastra (f) portamatrice
estampa (f)

7

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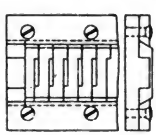
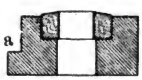
aus Stäbchen zusammengesetzter Lochring (m)
die plate composed of small bars
matrice (f) composée de barrettes



матрица (f), собранная изъ отдѣльныхъ брусковъ *или* состоящая изъ отдѣльныхъ пластинокъ; сборная матрица
matrice (f) composta di barrette
matriz (f) compuesta de varillas

8

Untersatz (m), Tasse (f), [Lochringuntersatz (m)]
die holder
tas (m), étampe (f)



a

a подкладка (f) матрицы; чашка (f)
portamatrice (m)
tase (m)

9

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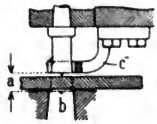
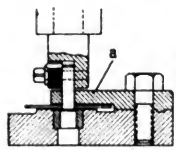
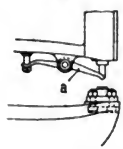
1	Gegenstanze (f) counter punch contre-poinçon (m), tas (m), étampe (f)		контръ-пу[а]нсонъ (m) controstampo (m) contra-punzón (m)
2	Ineinanderpassen (n) der Stanzen marriage of the punches, movement of punch in and out of the die ajustement (m) du poinçon à la matrice		пригонка (f) пу[а]нсона къ матрицѣ adattamento (m) del punzone alla matrice ajuste (m) del punzón con la matriz
3	Stempelweg (m), Hub (m) stroke of the punch course (f) du poinçon	 a	ходъ (m) пу[а]нсона corsa (f) del punzone camino (m) del punzón
4	Lochkanal (m) clearance hole trou (m) de débourrage	b	каналъ (m); отверстіе (n) apertura (f) di scarico agujero (m) de desta-pamiento
5	Abstreifer (m), Abstreicher (m), Niederhalter (m) stripper arracheur (m)	c	придержка (f) [для предупрежденія подъёма листа] dispositivo (m) per levar fuori (il punzone) separador (m)
6	fester Abstreifer (m) fixed stripper arracheur (m) fixe	 a	неподвижная придержка (f) dispositivo (m) fisso per levar fuori (il punzone) separador (m) fijo
7	einstellbarer Abstreifer (m) adjustable stripper arracheur (m) réglable		устанавливаемая придержка (f) dispositivo (m) regolabile per levar fuori (il punzone) separador (m) graduable
8	Abstreiferarm (m) stripper lever levier (m) d'arracheur	a	плечо (n) придержки braccio (m) del dispositivo per levar fuori (il punzone) brazo (m) de separador

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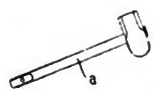
VIII.

Schmiedemaschinen
Forging Machines
Machines à forger

Ковочныя машины
Macchine per forgiare
Máquinas de forjar

Hämmer	Молота	
Hammers	Martelli	1
Marteaux	Martillos	

Helmhammer (m), Winkelhammer (m), Stielhammer (m), Hebelhammer (m)
sledge hammer
marteau (m) à manche



рычажный молотъ (m)
martello (m) *o* mazza (f) a manico
martillo (m) de mango

2

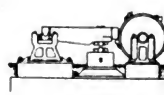
Hammerhelm (m), Helm (m)
hammer shaft
manche (m) de marteau

a

молотовище (n): ручка (f) молота
manico (m) del martello *o* della mazza
mango (m) de martillo, palanca (f) de martillo

3

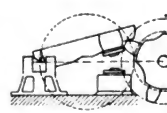
Daumenhammer (m)
cam hammer
marteau (m) à came



кулачный молотъ (m)
maglio (m) a camme
martinete (m) de leva

4

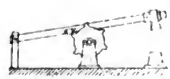
Stirnhammer (m)
front *or* slogging hammer
marteau (m) à chasse, chasse-carrée (f)



лобовой молотъ (m)
mazzetta (f) a due mani, mazza (f)
martillo (m) derecho

5

Brusthammer (m), Aufwerfer (m)
helving hammer
marteau (m) à devant, masse (f)



среднебойный молотъ (m)
maglio (m) a leva *od* a saliscendi
martillo (m) mecánico de palanca, martinete (m)

6

Schwanzhammer (m)
tilt hammer, tail hammer, trip hammer
marteau (m) à levier

хвостовой молотъ (m); заднебойный молотъ
maglio (m) a leva *o* ad altalena
martillo (m) de bascula, martinete (m) de cola

7

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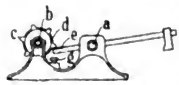

1	Drehzapfen (m) fulcrum pin tourillon (m)	a	валокъ perno (m) *o* fulcro (m) della leva espiga (f) giratoria
2	Hammerwelle (f) cam spindle arbre (m) du marteau	b	валъ (m) *или* ось (f) молота albero (m) della camma di comando eje (m) del martillo
3	Hebekopf (m), Daumen (m), Hebedaumen (m), Däumling (m) [lifting] cam came (f) [de soulèvement]	c	поднимающая лодыжка (m); поднимающій кулакъ (m) *или* кулачокъ (m) camma (f) [di sollevamento] leva (f) [de elevación]
4	Wellkranz (m) crown roue (f) à cames	d	барабанъ (m) съ кулаками corona (f) a camme rueda (f) con levas
5	Streichblech (n) striking plate tôle (f) de frottement	e	доска (f) *или* вставка (f), принимающая ударъ lamiera (f) di strisciamento, lamiera (f) di battuta della camma chapa (f) de rozamiento
6	Reitel (m) stop buttoir (m)	g	отбой (m) arresto (m) tope (m)
7	Hammerhülse (f) hirst, helve ring douille (f) pour le manche du marteau		хомутъ (m) *или* кольцо (n) *или* бугель (m) молотовища occhio (m) *o* foro (m) del martello casquillo (m) del martello
8	Tritthammer (m), Fußhammer (m) treadle hammer marteau (m) à pédale		ножной *или* педальный молотъ (m); молотъ (m) съ ножнымъ приводомъ; станокъ Оливера maglio (m) a pedale martillo (m) á pedal, martinete (m) á pedal
9	Wipphammer (m) wipple hammer martinet (m) à ressort		качающійся молотъ (m); рычажный молотъ съ ножнымъ приводомъ maglio (m) a molle *od* a leva con molle martillo (m) ó martinete (m) de resortes á pedal
10	Dampfaufschläger (m) steam striker *or* hammer mouton (m) à vapeur, marteau (m) à devant à vapeur		паровой ударникъ (m) maglietto (m) a vapore martinete (m) de vapor

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Maschinenhammer (m)
machine hammer
marteau (m) mécanique

приводный молотъ (m)
maglio (m) a comando meccanico
martillo (m) mecánico, martinete (m)
1

Wasserhammer (m)
hydraulic hammer
marteau (m) hydraulique

гидравлическій молотъ (m)
maglio (m) idraulico
martillo (m) ó martinete (m) hidráulico
2

Gleishammer (m), Rahmenhammer (m), Parallelhammer (m)
drop hammer
mouton (m), marteau (m) à chute libre

пестовой молотъ (m)
maglio (m) a caduta libera, martinetto (m) parallelo
martillo (m) ó martinete (m) de caída libre
3

stehender *oder* senkrechter Hammer (m), Vertikalhammer (m)
vertical hammer
mouton (m), marteau (m) vertical

вертикальный молотъ (m)
maglio (m) verticale, berta (f)
martillo (m) ó martinete (m) vertical
4

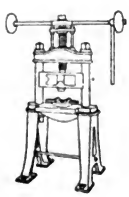
Fallhammer (m)
drop hammer, drop stamp
mouton (m) à chute libre

молотъ (m) съ падающей бабой
maglio (m) a caduta
martillo (m) de caída
5

Fallwerk (n)
drop work
mouton (m) à estamper

копёръ (m)
martinetto (m), montone (m)
martillo (m) de caída
6

Stoßwerk (n)
stamping work, fly press
balancier (m)



винтовой прессъ (m)
pressa (f) da stampare, bilanciere (m)
prensa (f) de balancín o de husillo
7

Reib[ungs]hammer (m), Friktionshammer (m)
friction hammer
marteau (m) à friction

фрикціонный молотъ (m); молотъ трения
maglio (m) a frizione
martinete (m) de fricción
8

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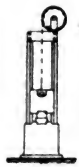
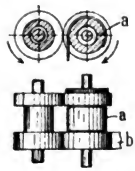
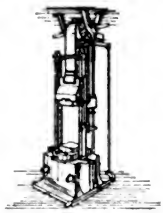
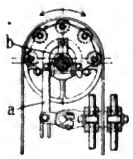
	Reib[ungs]rolle (f) 1 friction roll rouleau (m) à friction	a	фрикціонный роликъ (m) rullo (m) di frizione rueda (f) de fricción, tambor (m) de fricción
	Wickelhammer (m) 2 flexible belt drop stamp mouton (m) à courroie		молотъ (m) съ наматывающимъ барабаномъ maglio (m) a caduta ed a cinghia, berta (f) a cinghia martillo (m) de correa
	Wickelrolle (f), Wickeltrommel (f) 3 winding drum poulie (f) d'enroulement		наматывающій роликъ (m); наматывающій барабанъ (m) rullo (m) *o* tamburo (m) di avvolgimento tambor (m) de enrollamiento
	Backenbremse (f) 4 shoe brake frein (m) à sabot	b	тормазъ (m) съ колодкой freno (m) a ceppi freno (m) de mordazas
	Riemenreibhammer (m) friction roll drop hammer 5 mouton (m), marteau (m) à courroie de friction		молотъ (m) съ натяжнымъ (фрикціоннымъ) ремнемъ;ременный молотъ; мутонъ (m) maglio (m) di frizione a cinghia, maglio (m) a cinghia, berta (f) di frizione a cinghia martillo (m) de caída con correa de fricción
	Riemenabhebevorrichtung (f) 6 belt lifting arrangement dispositif (m) d'enlèvement de courroie		устройство (n) для скидыванія ремня dispositivo (m) per il sollevamento della cinghia disposición (f) de separación de la correa
	Abheber (m) lifter 7 appareil (m) d'enlèvement	a	скидывающій рычагъ (m) apparecchio (m) di sollevamento della cinghia separador (m)
	Sattel (m) 8 saddle selle (f)	b	сѣдёлка (f); сѣдло (n) sella (f) asiento (m)

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Stangenreibhammer (m)
board drop stamp, friction drop hammer actuated by flat surface board
marteau (m) à planche

фрикціонный молотъ (m) съ доской
maglio (m) *o* berta (f) a tavola
martillo (m) de caída por fricción de tabla *1*

Hubstange (f)
lifter board
planche (f)

a

подъёмная доска (f)
tavola (f) di sollevamento
tabla (f) de elevación *2*

Winkelhebel (m)
cranked lever
levier (m) coudé

b

колѣнчатый рычагъ (m)
leva (f) a squadra
palanca (f) de ángu. *3*

Handhebel (m)
hand lever
levier (m) à main

c

рукоятка (f); рычагъ (m)
leva (f) a mano
palanca (f) á mano *4*

Trethebel (m)
foot *or* pedal lever
levier (m) à pedale *ou* à pied

d

подножка (f); педаль (f)
leva (f) a pedale, pedale (m)
palanca (f) á pie, pedal (m) *5*

Steuerhebel (m)
operating lever
levier (m) de commande

рычагъ (m) для управленія *или* для регулированія хода
leva (f) di comando *o* dell'inversione di marcia
palanca (f) de distribución ó de manejo *6*

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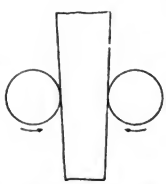
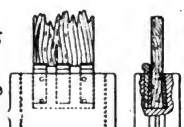
keilförmige Hubstange (f)
taper lifter
planche (f) conique



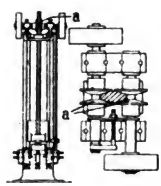
клинообразная подъёмная доска (f)
tavola (f) a cuneo
tabla (f) de elevación de forma cónica *7*

Hubstangenbefestigung (f)
fastening for lifter
fixation (f) de la planche



закрѣпленіе (n) подъёмной доски
attacco (m) della tavola
sujeción (f) de la tabla de elevación *8*

Stangenreibhammer (m) mit Müllerschem Antrieb
board drop stamp with Müller drive
marteau (m) à planche avec commande Müller



фрикціонный молотъ (m) съ доской съ приводомъ Мюллера
maglio (m) *o* berta (f) di frizione a tavola con comando sistema Müller
martillo (m) de caída de fricción de tabla con disposición de impulso sistema Müller *9*

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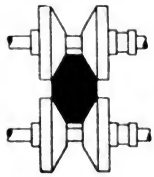
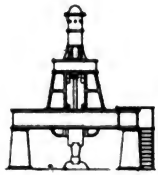
1 Hubrolle (f), Hubwalze (f)
lifting roll
galet (m) de levée



подъёмный роликъ (m)
rullo (m) di sollevamento
rollo (m) de elevación

2 Dampfhammer (m)
steam hammer
marteau-pilon (m) a vapeur



паровой молотъ (m)
maglio (m) a vapore
martillo-pilón (m) á vapor

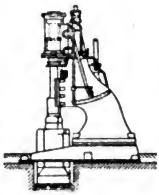
3 einfach wirkender Dampfhammer (m)
single acting steam hammer
marteau-pilon (m) à simple effet

паровой молотъ (m) простого дѣйствія
maglio (m) a vapore a semplice effetto
martillo-pilón (m) á vapor de efecto simple

4 Dampfhammer (m) mit feststehendem Zylinder
steam hammer with fixed cylinder
marteau-pilon (m) avec cylindre fixe

паровой молотъ (m) съ неподвижнымъ цилиндромъ
maglio (m) a vapore a cilindro fisso
martillo-pilón (m) con cilindro de vapor fijo

5 Dampfhammer (m) mit einseitigem *oder* C-förmigem Gestell
steam hammer with single standard, overhanging type steam hammer
marteau-pilon (m) avec montant en col de cygne, marteau-pilon (m) à simple jambage

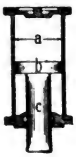


паровой молотъ (m) съ односторонней станиной *или* э-образной станиной
maglio (m) a vapore ad un sol montante
martillo-pilón (m) á vapor de bastidor sencillo *ó* en forma de C

6 Dampfhammer (m) mit zweiseitigem Gestell
steam hammer with double standard, arch type steam hammer
marteau-pilon (m) avec double montant *ou* à double jambage

паровой молотъ (m) съ двусторонней станиной
maglio (m) a vapore a due montanti *od* a gabbia
martillo-pilón (m) á vapor con bastidor doble

7 Dampfstiefel(m), Dampfzylinder (m)
steam cylinder
cylindre (m) à vapeur



паровой цилиндръ (m)
cilindro (m) del vapore
cilindro (m) de vapor

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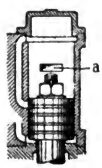
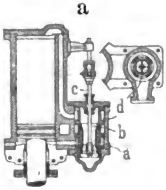
Stiefelweite (f) bore of cylinder alésage (m) du cylindre	a	внутренній діаметръ (m) цилиндра diametro (m) interno del cilindro diámetro(m) del cilindro	1
Hammerkolben (m) hammer piston piston (m) du marteau	b	поршень (m) молота stantuffo (m) della mazza émbolo (m) del martillo	2
Kolbenfläche (f) area of piston surface (f) du piston		площадь (f) поршня superficie (f) dello stantuffo superficie (f) del émbolo	3
Kolbenstange (f) piston rod tige (f) de piston	c	поршневой стержень (m); штокъ (m) поршня stelo (m) *o* gambo (m) dello stantuffo vástago (m) de émbolo	4
Hammersteuerung (f) hammer valve gear distribution (f) du marteau		парораспредѣленіе (n) молота distribuzione (f) *o* comando (m) dell'inversione di marcia della mazza battente distribución (f) del martillo	5
Kolbensteuerung (f), Steuerung (f) durch den Kolben piston valve gear distribution (f) par piston, admission (f) par piston		поршневое парораспредѣленіе (n) distribuzione (f) a [mezzo di] stantuffo distribución (f) por el émbolo	6
Ausströmkanal (m), Auspuffkanal (m) exhaust port lumière (f) *ou* ouverture (f) d'échappement	a	выпускной каналъ (m) apertura (f) *o* finestra (f) di scappamento canal (m) de escape	7
Schiebersteuerung (f) slide valve gear distribution (f) *ou* admission (f) par tiroir		золотниковое распредѣленіе (n); парораспредѣленіе кругльми золотниками distribuzione (f) a cassetto distribución (f) de caja	8
Steuerkasten (m) steam chest boîte (f) de distribution	a 	золотниковая коробка (f) camera (f) di distribuzione caja (f) de distribución	9
Steuerschieber (m) operating valve valve (f) d'admission	b	золотникъ (m) cassetto (m) di distribuzione distribuidor (m)	10

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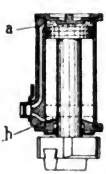
	Schieberbewegung (f) movement of valve 1 mouvement (m) du tiroir *ou* de la valve d'admission		движеніе (n) золотника movimento (m) del cassetto movimiento (m) del distribuidor
	Schieberstange (f) valve rod 2 tige (f) de tiroir *ou* de piston	c	штокъ (m) золотника; золотниковый стержень (m); золотниковая тяга (f) *или* скалка (f) gambo (m) *o* stelo (m) del cassetto biela (f) de distribuidor
	Ringkanal (m) annular port 3 passage (m) annulaire	d	кольцевой каналъ (m) canale (m) *o* passaggio (m) circolare canal (m) de anillo
	Hahnsteuerung (f) regulation by stop cock 4 distribution (f) par robinet		распредѣленіе (n) кранами distribuzione (f) a robinetti distribución (f) de grifos
	Ventilsteuerung (f) valve regulation 5 distribution (f) par soupape		клапанное распредѣленіе (n) distribuzione (f) a valvole distribución (f) de válvula
	Handsteuerung (f) hand regulation 6 distribution (f) à main		управленіе (n) отъ руки distribuzione (f) a mano distribución (f) á mano
	Selbststeuerung (f) automatic *or* self-regulation 7 distribution (f) automatique		самодѣйствующее управленіе (n) distribuzione (f) automatica distribución (f) automática
	doppeltwirkender Dampfhammer (m) double acting steam hammer 8 marteau-pilon (m) à vapeur a double effet		паровой молотъ (m) двойного дѣйствія maglio (m) a vapore a doppio effetto martillo-pilón (m) á vapor de doble efecto
	Dampfhammer (m) mit Oberdampf steam hammer admitting steam above the 9 piston marteau-pilon (m) à vapeur avec admission sur le piston		паровой молотъ (m) съ верхнимъ паромъ maglio (m) a vapore con ammissione superiore del vapore martillo-pilón (m) á vapor con entrada de vapor encima del émbolo
	Oberdampf (m) steam admitted above 10 the piston vapeur (f) admise au-dessus du piston	a	верхній паръ (m); паръ надъ поршнемъ vapore (m) ammesso superiormente vapor (m) que entra encima del émbolo

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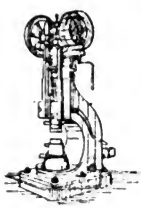
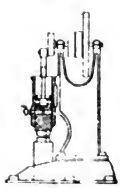
Unterdampf (m) steam admitted below the piston vapeur (f) admise au-dessous du piston	b		нижній паръ (m); паръ подъ поршнемъ vapore (m) ammesso inferiormente vapor (m) que entra debajo del émbolo
der Dampf tritt unter (über) den Kolben the steam enters under (above) the piston la vapeur entre sous le piston (*ou* au dessus du piston)			паръ (m) поступаетъ подъ поршень (надъ поршнемъ) il vapore entra sotto (sopra) lo stantuffo el vapor entra debajo (encima) del émbolo
der Dampf dehnt sich aus *oder* expandiert the steam expands la vapeur se détend			паръ (m) расширяется il vapore si espande el vapor se expansiona
Verbundhammer (m), Zweizylinderhammer (m) compound steam hammer, two cylinder steam hammer marteau (m) à deux cylindres			паровой молотъ (m) компаундъ; двухцилиндровый паровой молотъ maglio (m) a vapore compound, maglio (m) a due cilindri martinete (m) de dos cilindros
Kurbelhammer (m) hammer operated by a crank marteau (m) *ou* martinet (m) à manivelle			кривошипный молотъ (m) maglio (m) a manovella martinete (m) de (resortes y) disco de manivela
Kurbel (f) crank manivelle (f)			кривошипъ (m) manovella (f) manivela (f)
Transmissionshammer (m) belt driven hammer marteau (m) à transmission			приводный молотъ (m) maglio (m) a trasmissione martinete (m) mecánico movido por transmisión
Lufthammer (m), pneumatischer *oder* atmosphärischer Hammer (m) pneumatic hammer marteau (m) pneumatique			молотъ (m) съ пневматическимъ буферомъ maglio (m) pneumatico *od* atmosferico martillo (m) de forjar neumático

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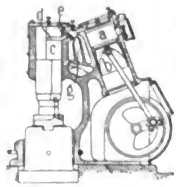

1	Luftdruckhammer (m) compressed air hammer marteau (m) pneumatique *ou* à air comprimé		компрессорный молотъ (m) maglio (m) ad aria compressa martillo (m) de forjar á efecto de aire comprimido
2	Luftpumpenstiefel (m), Luftpumpenzylinder (m) air pump cylinder cylindre (m) à air	a	цилиндръ (m) воздушнаго насоса; цилиндръ компрессора cilindro (m) della pompa d'aria cilindro (m) de la bomba de aire
3	Luftpumpenkolben (m) air pump piston piston (m) pneumatique	b	поршень (m) воздушнаго насоса; поршень компрессора stantuffo (m) della pompa d'aria émbolo (m) de la bomba de aire
4	Bärzylinder (m) hammer cylinder cylindre (m) du mouton	c	цилиндръ (m), служащій бабой молота cilindro (m) della mazza battente cilindro (m) de la maza
5	Saugkanal (m) suction port *or* passage conduit (m) *ou* canal (m) d'aspiration, lumière (f)	d	каналъ (m) всасыванія canale (m) di aspirazione canal (m) de aspiración
6	Druckkanal (m) pressure port *or* passage conduit (m) *ou* canal (m) *ou* lumière (f) d'admission de l'air comprimé	e	каналъ (m) нагнетанія canale (m) di compressione canal (m) de presión
7	Windkammer (f) air chamber *or* reservoir chambre (f) *ou* réservoir (m) à air	g	воздушная камера (f) camera (f) d'aria cámara (f) de aire
8	Steuerventil (n) regulating valve valve (f) d'admission *ou* de distribution		распредѣлительный клапанъ (m) valvola (f) di distribuzione válvula (f) de distribución
9	zweistufige Kompression (f) compound *or* two stage compression compression (f) compound *ou* à deux étages		двухкратное сжатіе (n) compressione (f) in due stadi *o* compound compresión (f) escalonada *ó* baja y alta

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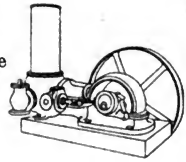
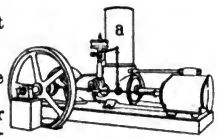
Einzylinderstufenkompressor (m)
single cylinder two stage air compressor
compresseur (m) d'air monocylindrique étagé



воздушный компрессоръ (m) однократнаго сжатія
compressore (m) d'aria monocilindrico a compressione graduata
compresor (m) de aire de un cilindro y presión escalonada

1

Einzylinderstufenkompressor (m) mit Dampfantrieb
steam driven single cylinder two stage air compressor
compresseur (m) d'air à vapeur monocylindrique étagé



паровой воздушный компрессоръ (m) однократнаго сжатія
compressore (m) d'aria monocilindrico a compressione graduata con comando a vapore
compresor (m) de aire de presión escalonada de un cilindro movido directamente por vapor

2

Rückkühlung (f)
re-cooling
refroidissement (m) à circulation de retour

обратное охлажденіе (n)
raffreddamento (m) a circolazione
refrigeración (f) por circulación

3

Zwischenkühler (m)
intercooler
refroidisseur (m) intermédiaire

a

промежуточный охладитель (m)
camera (f) di raffreddamento intermedia, raffreddatore (m) intermedio
refrigeración (f) intermedia

4

Zwilling[s]kompressor (m)
twin compressor
compresseur (m) duplex *ou* jumellé

двойной компрессоръ (m)
compressore (m) a cilindri accoppiati
compresor (m) duplex

5

Verbundkompressor (m)
compound compressor
compresseur (m) compound

сопряжённый компрессоръ (m)
compressore (m) compound *o* composito
compresor (m) com pound

6

Druckluftwerkzeug (n), Preßluftwerkzeug (n)
pneumatic tool
outil (m) à air comprimé, outil (m) pneumatique

пневматическій инструментъ (m); инструментъ для работы сжатымъ воздухомъ
utensile (m) ad aria compressa
herramientas (f pl) de aire comprimido, herramientas (f pl) neumáticas

7

Druckluft (f), Preßluft (f)
compressed air
air (m) comprimé

сжатый воздухъ (m)
aria (f) compressa
aire (m) comprimido

8

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Druckluftthammer (m), Preßluftthammer (m)
1 pneumatic hammer
frappeur (m) pneumatique *ou* à air comprimé

пневматическій молот[ок]ъ (m)
martello (m) ad aria compressa
martillo (m) de aire comprimido *ó* neumático

Druckluftmeißel (m)
pneumatic chipper *or* chisel
2 frappeur (m) pneumatique à buriner, burin (m) pneumatique

пневматическое зубило (n)
scalpello (m) ad aria compressa
cincelador (m) neumático, martillo (m) neumático *ó* de cincelar

---

Druckluftstemmer (m)
pneumatic caulker *or* caulking tool
3 frappeur (m) pneumatique à mater

рѣзецъ (m) воздушнаго молот[к]а
scalpello (m) da acciecare *o* ribattere ad aria compressa
martillo (m) neumático de retocar *ó* de remachar

Werkzeughülse (f)
tool socket *or* coupling sleeve
4 manchon (m) d'accouplement, douille (f) d'emmanchement

гильза (f) *или* втулка (f) инструмента
manicotto (m) di accoppiamento [dell'utensile all'impugnatura]
casquillo (m) de la herramienta

a

Handgriff (m)
5 handle
poignée (f)

b

ручка (f)
impugnatura (f)
mango (m)

Werkzeugstiefel (m)
6 barrel
cylindre (m), fût (m)

c

цилиндръ (m) инструмента
cilindro (m) *od* affusto (m) dell'utensile
cilindro (m) de la herramienta

Gashammer (m)
7 gas driven hammer
marteau (m) à gaz

газовый молотъ (m)
maglio (m) a gas
martillo (m) de gas

Petroleumhammer (m), Erdölhammer (m)
petroleum driven
8 hammer
marteau (m) à pétrole, marteau (m) à huile minérale

керосиновый молотъ (m)
maglio (m) a petrolio *o* ad olio pesante
martillo (m) de petróleo

Federhammer (m)
9 spring hammer
marteau (m) à ressort

пружинный молотъ (m)
maglio (m) a molle
martillo (m) *ó* martinete (m) de resortes

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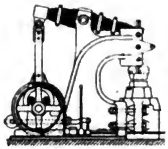
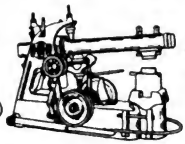
Blattfederhammer (m)
laminated spring hammer
marteau (m) à ressort à lames



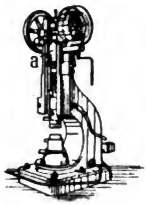
рессорный молотъ (m)
maglio (m) a balestra
martillo (m) de forjar de resortes de hojas superpuestas 1

Bradleyscher Hammer (m)
Bradley hammer
martinet (m) Bradley, marteau-cingleur (m)



молотъ (m) Брадлея
maglio (m) Bradley
martillo (m) de forjar Bradley 2

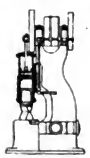
Kurbelhammer (m) mit geführtem Stiefel
crank hammer with sliding cylinder
marteau (m) à manivelle avec cylindre guidé



a

кривошипный молотъ (m) съ направляемымъ *или* съ качающимся цилиндромъ
maglio (m) a manovella con cilindro guidato
martillo (m) de disco de manivela con cilindro entre guías 3

Kurbelhammer (m) mit festem Stiefel
crank hammer with fixed cylinder
marteau (m) à manivelle avec cylindre fixe

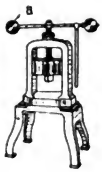


кривошипный молотъ (m) съ неподвижнымъ цилиндромъ
maglio (m) a manovella con cilindro fisso
martillo (m) de disco de manivela con cilindro fijo 4

Regeln (n) des Hammers durch Bremsen
brake regulation of hammer
réglage (m) du marteau par freinage

управленіе (n) молотомъ посредствомъ тормаза
regolazione (f) della mazza battente a mezzo di freno
el regular del martillo por medio del freno 5

Spindelpresse (f), Schraubenpresse (f)
screw press, fly press
presse (f) à vis, presse (f) à friction



винтовой прессъ (m)
pressa (f) a vite
prensa (f) de husillo ó de tornillo 6

Schwungkugel (f)
fly wheel ball
balancier (m)

a

противовѣсъ (m) для уравновѣшиванія дѣйствія кривошипа
palla (f) del regolatore o del bilanciere
bola (f) de vuelo 7

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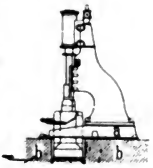
1 Schnellhammer (m)
rapid action hammer
marteau (m) rapide, martinet (m)

быстроходный молотъ (m)
maglio (m) rapido *o* ad azione rapida
martillo (m) rápido

2 Hammergestell (n)
hammer frame *or* body *or* standard
bâti (m) de marteau

станина (f) молота
incastellatura (f) del maglio
bastidor (m) de martillo

3 einbeiniges Hammergestell (n)
single standard hammer frame, overhanging standard
bâti (m) de marteau à un seul montant *ou* à simple jambage



одноногая *или* односторонняя станина (f) молота
incastallatura (f) del maglio ad un montante
bastidor (m) simple *ó* de una columna

4 Hammergestellfuß platte (f)
hammer frame base plate
plaque (f) de fondation d'assise de marteau, plaque (f) d'assise de jambage

a

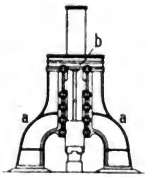
плита (f) подъ станиной молота
piastra (f) di fondazione del maglio
placa (f) de pie del martillo

5 Gestellfundament (n)
frame foundation
fondation (f) du bâti

b

фундаментъ (m) подъ станиной
fondazione (f) dell'incastellatura
fundamento (m) del bastidor

6 zweibeiniges Hammergestell (n)
double standard hammer frame
bâti (m) de marteau-pilon à deux montants *ou* à double jambage



двухногая *или* двусторонняя станина (f) молота
incastellatura (f) del maglio a due montanti *o* a montante doppio
bastidor (m) doble de martillo-pilón

7 Pfeiler (m)
standard
montant (m), pilier (m)

a

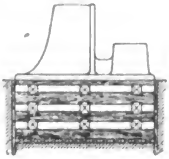
станина (f)
montante (m), pilastro (m)
columna (f)

8 Querhaupt (n)
cross head
crosse (f)

b

поперечина (f)
traversa (f) di collegamento
cabeza (f) superior

9 Hammergerüst (n)
hammer foundation grilling
fondation (f) en bois de marteau-pilon



рама (f) молота
armatura (f) *o* fondazione (f) del maglio
fundamento (m) de madera del martillo

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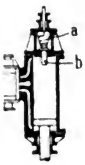
den Hammer prellen (v) to let the hammer rebound laisser (v) rebondir le mouton		дать молоту отбой ammortizzare (v) il colpo della mazza rebotar (v) el martillo	1
elastischer Puffer (m) elastic buffer butoir (m) élastique, amortisseur (m)		упругій буферъ (m) respingente (m) elastico tope (m) elástico	2
Federprellung (f) spring cushioning amortissement (m) par ressort		пружинный отбой (m) ammortizzazione (f) a molla rebote (m) por muelles	3
Feder (f) spring ressort (m)	a	пружина (f) molla (f) muelle (m), resorte (m)	4
Wickelfeder (f) volute spring ressort (m) en spirale	a	спиральная пружина (f) molla (f) a spirale resorte (m) espiral	5
Prellbolzen (m) recoil spindle tige (f) de butée *ou* d'amortisseur	b	отбойный болтъ (m) stelo (m) ammortizzatore espiga (f) de rebote	6
Luftprellung (f) air cushioning amortissement (m) par l'air		воздушный отбой (m) ammortizzazione (f) ad aria rebote (m) de aire	7
Luftpuffer (m) air buffer butée (f), amortisseur (m) à air		воздушный буферъ (m) respingente (m) ad aria amortiguador (m) de aire	8
Luftkissen (n) air cushion coussin (m) d'air		воздушная подушка (f) cuscino (m) d'aria almohada (f) de aire	9
Dampfprellung (f) steam cushioning amortissement (m) par la vapeur		отбой (m) паромъ; паровой отбой ammortizzazione (f) a vapore rebote (m) de vapor	10
Dampfpuffer (m) steam cushion amortisseur (m) butoir à vapeur		паровой буферъ (m) respingente (m) a vapore amortiguador (m) de vapor	11

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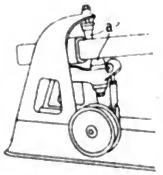


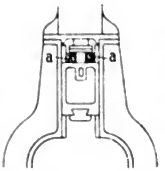
a

Gummipuffer (m)
rubber buffer
1 amortisseur (m) *ou* butoir (m) *ou* tampon (m) en caoutchouc

резиновый буферъ (m)
respingente (m) di gomma *o* di caucciù
tope (m) *o* amortiguador (m) de goma

Kautschukring (m)
2 india rubber ring
bague (f) en caoutchouc

каучуковое кольцо (n)
anello (m) di gomma *o* di caucciù
anillo (m) de caucho



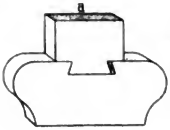
hölzerner Puffer (m)
wood buffer
3 amortisseur (m) *ou* butoir (m) en bois

деревянный буферъ (m)
respingente (m) di legno
tope (m) de madera

Pufferklotz (m)
buffer block
4 bloc (m) d'amortisseur *ou* de butoir

a

буферный брусъ (m)
cuscinetto (m) *o* blocco (m) di legno
taco (m) de tope



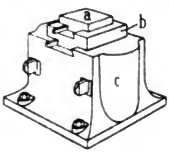
Amboß (m)
5 anvil
enclume (f)

наковальня (f)
incudine (f)
yunque (m)

Amboßbahn (f)
6 anvil face
table (f) d'enclume

a

наличникъ (m) *или* лицо (n) наковальни
piano (m) *o* faccia (f) dell'incudine
estampa (f) inferior, superficie (f) de la estampa



a

auswechselbare Amboßbahn (f)
interchangeable anvil face *or* pallet
7 bloc (m) interchangeable, étampe (f) interchangeable

смѣнный наличникъ (m) наковальни
piano (m) dell'incudine ricambiabile
estampa (f) inferior intercambiable

Amboßeinsatz (m)
8 intermediate block
étampe (f), porte-étampe (m)

b

вставка (f) наковальни
portaincudine (m), blocco (m) intermediario
asiento (m) para el yunque, asiento (m) para la estampa inferior

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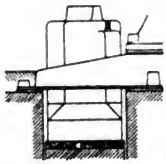
Unteramboß (m), Schabotte (f), Schawatte (f) anvil block chabotte (f)	c		шаботъ (m); стулъ (m) chabotte (f), blocco (m) di base chabota (f), yunque (m) inferior
geteilter Unteramboß (m) anvil block in sections chabotte (f) en plusieurs pièces	a		составной шаботъ (m) *или* стулъ (m) chabotte (f) divisa in più parti, blocco (m) di base diviso in più parti chabota (f) partida *ó* yunque (m) inferior partido
Amboßstock (m), Hammerstock (m) anvil cushion bloc (m) à chabotte	b		поднаковальня (f) ceppo (m) dell'incudine *o* del maglio bloque (m) de asiento de la chabota
hölzerner Amboßstock (m) wooden anvil cushion matelas (m) à chabotte en bois	b		деревянная поднаковальня (f) ceppo (m) di legno dell'incudine bloque (m) de asiento de madera
elastische Amboßstützung (f) durch Holzstöcke elastic anvil foundation on wood blocking fondation (f) élastique, assise (f) élastique de chabotte en bois, matelas (m) de chabotte			упругая подкладка (f) подъ наковальней изъ деревянныхъ брусьевъ fondazione (f) elastica dell'incudine a mezzo di ceppi di legno asiento (m) elástico de madera para la chabota
Holz[unter]lage (f), Holzschicht (f) wood blocking matelas (m) *ou* couche (f) de bois	a		деревянная подкладка (f) strato (m) *o* spessore (m) di legno cama (f) *ó* capa (f) de madera
Amboß (m) mit besonderem *oder* eigenem Fundament anvil with independent foundation enclume (f) à fondation indépendante			наковальня (f) съ отдѣльнымъ *или* со своимъ основаніемъ incudine (f) a fondazione indipendente yunque (m) con fundamento propio
Hammerkopf (m) hammer head étampe (f), tête (f) du marteau			головка (f) молота; боёкъ (m) mazza (f) battente cabeza (f) de mazo
Hammerbahn (f) hammer face frappe (f) du marteau	a		наличникъ (m) молота piano (m) della mazza battente superficie (f) del mazo *ó* de la estampa

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Hammerklotz (m), Bär (m)
1 hammer tup
masselotte (f), mouton (m)

баба (f)
massa (f) battente, montone (m)
mazo (m)

---

auswechselbare Hammerbahn (f)
2 interchangeable hammer face
étampe (f) *ou* frappe (f) interchangeable

a

смѣнный наличникъ (m) молота
piano (m) ricambiabile della mazza battente
embutidera (f) intercambiable

Bärgewicht (n)
weight of tup
3 poids (m) du mouton *ou* de la masse tombante

вѣсъ (m) бабы
peso (m) della mazza battente
peso (m) del mazo

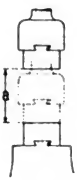
Hammerschlag (m)
4 blow of hammer
coup (m) de marteau

ударъ (m) молота
colpo (m) della mazza
golpe (m) de martillo

Schlagstärke (f) des Hammers
5 strength of blow of hammer
force (f) de frappe du marteau

сила (f) удара молота
forza (f) *o* potenzialità (f) del colpo della mazza
fuerza (f) de golpe del martillo

Fallhöhe (f)
6 height of fall
course (f) *ou* hauteur (f) de frappe



a

высота (f) паденія
altezza (f) di caduta, corsa (f) della mazza
altura (f) de caída

Fallzeit (f)
7 time of fall
temps (m) de frappe

продолжительность (f) паденія
tempo (m) di caduta *od* impiegato per cadere
tiempo (m) de caída

Fallgeschwindigkeit (f)
8 speed of fall
vitesse (f) de frappe

скорость (f) паденія
velocità (f) di caduta della mazza
velocidad (f) de caída

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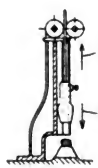
der Bär fällt
9 the tup falls
le mouton tombe



a

баба (f) падаетъ
la mazza battente discende *o* cade
el mazo cae

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b

der Bär wird gehoben, der Bär steigt
the tup is raised
la masselotte *ou* le mouton est soulevé[e] *ou* monte

баба (f) поднимается
la mazza battente ascende *o* rimonta 1
el mazo es elevado, el mazo sube

Hubzeit (f)
time of lifting
temps (m) de soulèvement *ou* de montée

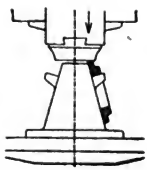
продолжительность (f) подъёма
tempo (m) di ascesa *od* impiegato per ascendere 2
tiempo (m) de elevación

Steiggeschwindigkeit (f)
speed of lifting
vitesse (f) de soulèvement *ou* de montée

скорость (f) подъёма
velocità (f) di ascesa 3
velocidad (f) de subida

Schlagzahl (f)
number of blows
nombre (m) de coups

число (n) ударовъ
numero (m) dei colpi 4
número (m) de golpes

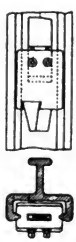


außerachsiger Schlag (m)
side blow
coup (m) désaxé

внѣосевой *или* не центральный ударъ (m)
colpo (m) scentrato 5
golpe (m) desviado de su eje

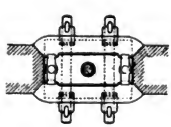
Hammerstange (f)
lifting bar
tige (f) du marteau

стержень (m) молота
gambo (m) *o* stelo (m) della mazza battente 6
vástago (m) de martillo



Bärführung(f), Hammerführung (f), Klotzführung (f)
hammer guides
guidage (m) de la masse *ou* du mouton, glissières (f pl) de la masse

направляющія (f pl) *или* параллели (f pl) бабы
guide (f pl) della mazza battente 7
correderas (f pl) del mazo



nachstellbare Bärführung (f)
adjustable guides
glissières (f pl) réglables *ou* à rattrapage de jeu

переставляемыя направляющія (f pl) бабы
guide (f pl) registrabili della mazza battente 8
correderas (f pl) del mazo graduables á medida de su desgaste

---

hämmern (v)
to hammer
marteler (v)

ковать
martellare (v), battere (v), forgiare (v) 9
martillar (v)

---

das Eisen strecken (v)
to draw out the iron
étirer (v) le fer

подкатывать *или* тянуть желѣзо (n)
stirare (v) il ferro 10
estirar (v) el hierro

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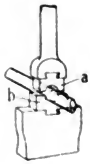
im Gesenk schmieden (v)
1 to swage
estamper (v), matricer (v)



штамповать; ковать въ штампахъ
forgiare (v) su stampo
forjar (v) en estampa

Obergesenk (n)
top swage
2 étampe (f) *ou* matrice (f) supérieure

a

верхній штампъ (m); вершникъ (m); матрица (f); верхняя матрица
stampo (m) superiore
estampa (f) superior, embutidera (f)

Untergesenk (n)
bottom swage
3 étampe (f) *ou* matrice (f) inférieure

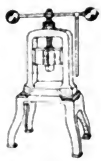
b

нижній штампъ (m); нижникъ (m); матрица (f) нижняя
stampo (m) inferiore
estampa (f) inferior

Schmiedepressen
4 **Forging Presses**
Presses à forger

Ковочные пресса
Presse per forgiare
Prensas de forjar

Druckwerk (n), Presse (f)
5 press
presse (f)



прессъ (m); [фиг.:] винтовой прессъ
pressa (f)
prensa (f)

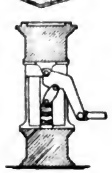
Prägwerk (n)
stamping press
6 presse (f) à matricer *ou* à estamper

чеканочный *или* штамповочный прессъ (m)
pressa (f) per coniare *o* per stampare
prensa (f) de estampar

Exzenterpresse (f)
7 eccentric press
presse (f) à excentrique

эксцентриковый прессъ (m)
pressa (f) ad eccentrico
prensa (f) excéntrica

Kniehebelpresse (f)
8 toggle lever press
presse (f) à levier coudé *ou* à genouillère



колѣнчатый прессъ (m); прессъ съ колѣнчатымъ рычагомъ
pressa (f) a leva articolata *od* a gomito
prensa (f) de eje acodado

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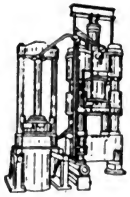
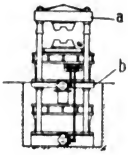
Druckwasserschmiedepresse (f), hydraulische Schmiedepresse (f)
hydraulic forging press
presse (f) à forger hydraulique



гидравлическій ковочный *или* ковальный прессъ (m)
pressa (f) idraulica per forgiare
prensa (f) hidráulica de forjar *1*

Dampfdruckschmiedepresse (f)
steam power forging press
presse (f) à forger à vapeur



паровой ковочный *или* ковальный прессъ (m)
pressa (f) a vapore per forgiare
prensa (f) de forjar de presión de vapor: *2*

Kopfplatte (f), Querhaupt (n)
cross head
chapiteau (m) d'entretoisement supérieur

a

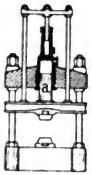
поперечина (f); траверса (f)
cappello (m), traversa (f)
travesía (f) superior *3*

Zwischenboden (m)
floor level
plaque (f) intermédiaire d'entretoisement

b

промежуточное днище (n)
piastra (f) intermedia
placa (f) intermedia de arriostramiento *4*

Preßkolben (m)
press plunger
piston (m) de compression



поршень (m) пресса
stantuffo (m) premente
émbolo (m) de presión *5*

Mönch[s]kolben (m)
hydraulic ram *or* plunger
piston (m) plongeur, piston (m) hydraulique

ныряло (n); плунжеръ (m)
stantuffo (m) tuffante
émbolo (m) macho *6*

Scheibenkolben (m)
solid piston, disc piston
piston (m) à plaque *ou* à disque

плоскій поршень (m); дисковый поршень (m)
stantuffo (m) a piatto *od* a disco
émbolo (m) de disco *7*

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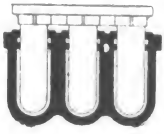
nebeneinanderliegende Kolben (m pl)
triplicate (quadruple etc.) plungers
pistons (m pl) parallèles



совмѣстно сопряжённые поршни (m pl); рядомъ лежащіе поршни
stantuffi (m pl) paralleli
émbolos (m pl) gemelos ó colocados uno al lado de otro *8*

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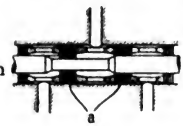
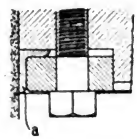
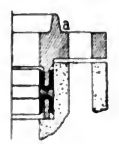
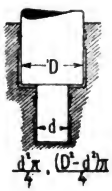
1	hintereinanderliegende Kolben (m pl) tandem pistons pistons (m pl) en tandem, pistons (m pl) concentriques		послѣдовательно сопряжённые поршни (m pl) stantuffi (m pl) sovrapposti a tandem émbolos (m pl) gemelos *ó* colocados uno detrás de otro
2	Lederringliderung (f) leather packing garniture (f) de piston en bagues de cuir		кожаная кольцевая прокладка (f) guarnizione (f) di anelli di cuoio empaquetadura (f) de arandelas de cuero, empaque (m) de arandelas de cuero
3	Lederring (m) leather ring bague (f) en cuir, joint (m) en cuir	a	кожаное кольцо (n) anello (m) di cuoio arandela (f) de cuero, anillo (m) de cuero
4	Stulpenliderung (f), Stulpliderung (f) cup leather packing garniture (f) en cuir embouti		манжетное уплотняющее кольцо (n); манжетное уплотненіе (n); манжетная набивка (f) guarnizione (f) ad angolo *od* a manicotto empaquetadura (f) de cuero embutido
5	Lederstulp (m) leather cup cuir (m) embouti	a	кожаная манжета (f) bordo (m) *o* ribordo (m) di cuoio anillo (m) de cuero embutido
6	doppelte Liderung (f) double U leather packing cuir (m) embouti double		двойное уплотненіе (n); двойная набивка (f) guarnizione (f) ad U empaque (m) doble de cuero embutido
7	Brille (f), Stopfbüchsbrille (f) gland, stuffing box gland bride (f), bride (f) de boite à presse-étoupe	a	сальниковая крышка (f); нажимная втулка (f) сальника briglia (f), briglia (f) del premistoppa tapa (f) del prensa-estopas
8	Druckfläche (f) area of pressure surface (f) de pression		поверхность (f) давленія superficie (f) *o* sezione (f) di pressione superficie (f) de presión

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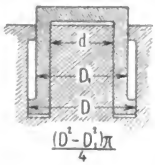
Gegendruckfläche (f), Differential[druck]-fläche (f)
area of counter pressure surface (f) de contre-pression



поверхность (f) противодавленія
superficie (f) *o* sezione (f) di contropressione
superficie (f) de contrapresión

1

Druckflüssigkeit (f), Preßflüssigkeit (f)
pressure fluid
liquide (m) sous pression

напорная жидкость (f)
liquido (m) premente
líquido (m) comprimido

2

Flüssigkeitsdruck (m)
fluid pressure
pression (f) du liquide

давленіе (n) жидкости
compressione (f) del liquido
presión (f) del líquido

3

Überdruck (m)
pressure above the atmospheric
pression (f) effective

рабочее давленіе (n)
pressione (f)
presión (f) efectiva

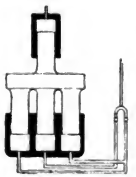
4

Wasserdruckreglung (f)
regulation of water pressure
réglage (m) de la pression d'eau

регулированіе (n) водяного напора
regolazione (f) della pressione d'acqua
graduación (f) de la presión hidráulica

5

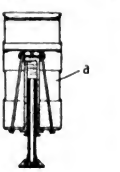
Druckübersetzer (m)
pressure transmittor
multiplicateur (m) de pression



приборъ (m) для преобразованія давленія; мультипликаторъ (m)
moltiplicatore (m) di pressione
multiplicador (m) de presión

6

Druckwasserspeicher (m), [Druckwasser-] Akkumulator (m), Kraftsammler (m)
hydraulic accumulator
accumulateur (m) hydraulique



аккумуляторъ (m) напорной воды; гидравлическій аккумуляторъ; силособиратель (m)
accumulatore (m) idraulico
acumulador (m) hidráulico

7

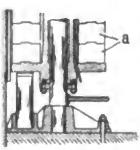
Belastungsgefäß (n)
weight case
boîte (f) de charge

грузовой резервуаръ (m)
cassa (f) *o* recipiente (m) del contrappeso
recipiente (m) de carga

8

a

Belastungsring (m)
ring weight, weight ring
anneau (m) *ou* plaque (f) de charge



грузовое кольцо (n)
anello (m) *o* disco (m) di contrappeso
anillo (m) de carga

9

a

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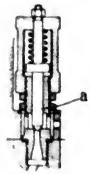
1 Entlüftungsventil (n)
air release valve
soupape (f) d'échappement d'air



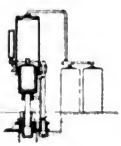
воздушный клапанъ (m); клапанъ для выпуска воздуха
valvola (f) di scappamento dell'aria
válvula (f) de escape de aire

2 Ventilkegel (m)
valve cone
pointeau (m) de soupape

a

конусъ (m) клапана
tappo (m) della valvola
cono (m) de válvula

3 Druckwasserspeicher (m) mit Luftbelastung, Luftakkumulator (m)
hydraulic accumulator working by compressed air
accumulateur (m) hydropneumatique



гидравлическій аккумуляторъ (m) съ воздушнымъ резервуаромъ для давленія; гидропневматическій аккумуляторъ; воздушный аккумуляторъ
accumulatore (m) idraulico a carico d'aria compressa, accumulatore (m) idro-pneumatico
acumulador (m) hidráulico con carga de aire

4 Druckpumpe (f)
pressure pump
pompe (f) de compression

нагнетательный насосъ (m)
pompa (f) premente
bomba (f) de presión

5 Pumpenkolben (m)
pump piston *or* plunger
piston (m) de pompe

a

поршень (m) насоса
stantuffo (m) della pompa
émbolo (m) de bomba

6 Riemenpumpe (f)
belt driven pump
pompe (f) commandée par courroie

приводный насосъ (m)
pompa (f) a trasmissione *o* con comando a cinghia
bomba (f) movida por correa

7 Dampfpumpe (f)
steam pump
pompe (f) à vapeur

паровой насосъ (m)
pompa (f) a vapore
bomba (f) á vapor

8 Wasserdruckpumpe (f)
hydraulic pump
pompe (f) à commande hydraulique

водонапорный насосъ (m)
pompa (f) a comando idraulico, pompa (f) idraulica
bomba (f) de impulsión hidráulica

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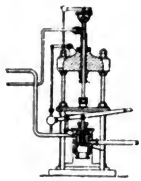
Druckwasserbetrieb (m)
hydraulic working
commande (f) hydraulique

дѣйствіе (n) напорной водой
funzionamento (m) ad acqua compressa
accionamiento (m) hidráulico

1

Steuern (n) der Presse
controlling the press
distribution (f) de la presse



управленіе (n) прессомъ
distribuzione (f) *o* comando (m) della pressa
distribución (f) de la prensa

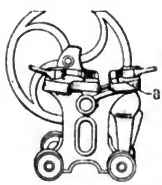
2

Stauch- und Nietmaschinen
Upsetting and Riveting Machines
Machines à refouler et à river

Осадочныя и клепальныя машины
Macchine da ricalcare e da ribadire
Máquinas de recalcar y remachar

3

Stauchmaschine (f)
upsetting machine, jolting machine
machine (f) à refouler



осадочная машина (f); высаживающій станокъ (m)
macchina (f) da ricalcare
máquina (f) de recalcar

4

Einklemmvorrichtung (f)
gripping apparatus
dispositif (m) de serrage

a

зажимное приспособленіе (n); зажимный приборъ (m); зажимъ (m)
dispositivo (m) di serraggio
disposición (f) de sujetar

5

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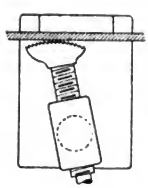
selbstspannende Zange (f)
self gripping jaw
pince (f) automatique



самозахватывающія клещи (f pl); самозажимающіе тиски (m pl); самодѣйствующія клещи
pinza (f) *o* griffa (f) automatica di serraggio
mordaza (f) de sujeción automática

6

Stauchen (n) gerader Stäbe
upsetting *or* jumping up of straight bars
refoulement (m) de barres droites

высаживаніе (n) *или* осаживаніе (n) прямыхъ полосъ
ricalcatura (f) di barre dritte
el recalcar barras derechas

7

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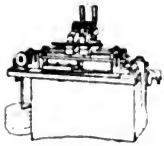
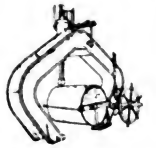
1	stauchen (v) to upset, to jump up refouler (v)		высаживать; осаживать ricalcare (v) recalcar (v)
2	Schweißmaschine (f) welding machine machine (f) à souder		сварочный станокъ (m); сварочная машина (f) macchina (f) da saldare e da soprasaldare máquina (f) de soldar
3	Universalstauch- und Schweißmaschine (f) universal upsetting and welding machine machine (f) à forger et à souder universelle		универсальный высаживающій и сварочный станокъ (m); универсальная осадочная и сварочная машина (f) macchina (f) universale da ricalcare e da saldare máquina (f) universal de recalcar y soldar
4	schweißen (v) to weld souder (v) (sans intermédiaire d'une composition)		свари-ть (-вать) saldare (v), soprasaldare (v) soldar (v) (al fuego)
5	Schweißung (f) welding soudure (f), soudage (m)		сварка (f); варка (f); свариваніе (n) saldatura (f) soldadura (f)
6	Schweißhitze (f), Schweißtemperatur (f) welding heat *or* temperature température (f) de soudure *ou* soudage		сварочный жаръ (m); сварочная температура (f) temperatura (f) *o* calore (m) di saldatura temperatura (f) de soldadura
7	Schweißstelle (f) point of weld soudure (f)		свариваемое мѣсто (n); мѣсто сварки punto (m) *o* posizione (f) della saldatura sitio (m) de la soldadura
8	Schweißnaht (f) welded joint *or* seam joint (m) de soudure, ligne (f) de soudure		сварной *или* сварочный шовъ (m) traccia (f) della saldatura costura (f) de la soldadura
9	stumpfes Schweißen (n) butt welding soudure (f) par rapprochement, soudure (f) par bouts		свариваніе (n) въ стыкъ; сварка (f) въ притыкъ saldatura (f) di due estremità *od* in testa soldadura (f) de extremos

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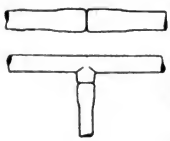

stumpf schweißen (v)
to butt weld
souder (v) par rapprochement, souder (v) par bouts

свари-ть (-вать) въ стыкъ *или* въ притыкъ
saldare (v) le estremità *o* le teste
soldar (v) el extremo *o* por corte derecho

1

[когда рѣчь идетъ о брусковомъ *или* о полосовомъ желѣзѣ:] свари-ть(-вать) въ накладку; [когда рѣчь идётъ о листовомъ желѣзѣ:] свари-ть (-вать) въ нахлёстку
saldare (v) per sovrapposizione
soldar (v) extremos superpuestos

2

Zuschärfung (f) der Stoßflächen
bevelling the ends to be welded
amincissement (m) des faces de recouvrement

скашиваніе (n) стыковъ; сдѣлать *или* оттянуть *или* задѣлать ласки
assottigliamento (m) delle estremità *o* delle teste da saldare
achaflanamiento (m) de las superficies de contacto

3

Zusammenschweißen (n) von zwei Stangen (Blechen usw.)
welding of two bars [plates etc.]
soudure (f) de deux barres (de deux tôles)

сварка (f) двухъ прутковъ (листовъ и пр.)
saldatura (f) unita di due barre *o* di due lamiere
unión (f) por soldadura de dos varas (chapas etc.)

4

Anschweißen (n)
welding on
soudure (f) d'un bout de pièce

приварка (f)
saldatura (f)
soldadura (f) de un trozo

5

Rohrschweißung (f)
pipe *or* tube welding
soudure (f) de tubes *ou* de tuyaux

сварка (f) *или* приварка (f) *или* наварка (f) трубъ
saldatura (f) di tubi
soldadura (f) de tubos

6

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stumpfgeschweißte Schienenenden (n pl)
butt welded rail ends
bouts (m pl) de rails soudés par rapprochement

сваренные въ стыкъ концы рельсовъ
estremità (f pl) di rotaie saldate in testa
extremos (m pl) de railes soldados en sección derecha

7

Schweißverfahren (n)
welding manner
procédé (m) de soudure

способъ (m) { сварки / варки / свариванія
processo (m) di saldatura
procedimiento (m) de soldar

8

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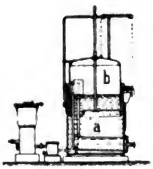
1	autogene Schweißung (f) autogenous welding soudure (f) autogène		кислородно-газовая сварка (f) *или* варка (f); кислородно-газовое свариваніе (n) saldatura (f) autogena soldadura (f) autógena
2	Sauerstoff (m) oxygen oxygène (m)	O	кислородъ (m) ossigeno (m) oxígeno (m)
3	Wasserstoff (m) hydrogen hydrogène (m)	H	водородъ (m) idrogeno (m) hidrógeno (m)
4	Azetylen (n) acetylene acétylène (m)	$C_2 H_2$	ацетиленъ (m) acetilene (m) acetileno (m)
5	Calciumkarbid (n) calcium carbide carbure (m) de calcium	Ca C_2	кальціумъ-карбидъ (m); кальцій-карбидъ (m) carburo (m) di calcio carburo (m) de calcio
6	Entwickler (m) generator générateur (m), gazogène (m)		генераторъ (m) generatore (m), gasogeno (m) generador (m)
7	Wasserbehälter (m) water tank réservoir (m) d'eau	a	водяной бакъ (m) *или* пріемникъ (m) *или* резервуаръ (m); водовмѣстилище (n) serbatoio (m) d'acqua depósito (m) de agua
8	Gasbehälter (m), Gassammler (m), Gasometer (n) gasholder, gasometer gazomètre (m)	b	газгольдеръ (m); газометръ (m) gasometro (m) gasómetro (m)
9	Leuchtgas (n) ligting gas gaz (m) d'éclairage		свѣтильный газъ (m) gas (m) illuminante gas (m) de alumbrado
10	Benzin (n) benzine benzine (f), essence (f) de pétrole	$C_6 H_6$	бензинъ (m) benzina (f) bencina (f)
11	Schweißbrenner (m) welding burner lampe (f) *ou* brûleur (m) à souder		сварочная горѣлка (f) cannello (m) per saldare, ferruminatorio (m) lámpara (f) *ó* quemador (m) de soldar
12	Schweißdraht (m) welding wire fil (m) à souder		сварочная проволока; (f) сварочный прудокъ filo (m) per saldare alambre (m) de soldar

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autogenes Schneiden (n)
autogenous fusing
coupure (f) autogène

кислородно-газовое рѣзаніе (n)
tagliatura (f) autogena 1
corta (f) autógena

Schneidbrenner (m)
fusing burner
brûleur (m) à découper

рѣжущая горѣлка (f)
cannello (m) per tagliare 2
soplete (m) cortante

Vorwärmung (f) der Schnittstelle
preheating *or* preliminary heating of the faces to be fused
réchauffage (m) de la place à couper

предварительный подогрѣвъ (m) *или* предварительное подогрѣваніе (n) разрѣза
riscaldamento (m) del punto *o* della posizione da tagliare 3
calentamiento (m) prévio del sitio de corte

aluminothermisches Verfahren (n)
alumino-thermic welding process
procédé (m) aluminothermique

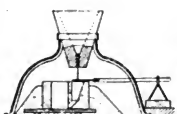
термитный способъ (m)
processo (m) di saldatura all'ossido di alluminio 4
procedimiento (m) alumino-térmico

Überhitzen (n) von Gußeisenbädern
overheating of molten cast iron
surchauffage (m) de bains de fonte de fer

перегрѣвъ (m) *или* перегрѣваніе (n) чугунной ванны
soprariscaldamento (m) *o* surriscaldamento (m) della ghisa fusa *o* dei bagni di ghisa fusa 5
recalentamiento (m) de baños de hierro colado

Auffrischen (n) mattgewordener Stahlbäder
reviving of sluggish steel in the ladle *or* crucible
régénération (f) de bains d'acier décarburé

свѣженіе (n) переспѣвшихъ стальныхъ плавокъ
ravvivatura (f) di una fusione di acciaio *o* di un bagno di acciaio fuso 6
el avivar baños flojos de acero



selbsttätiges *oder* automatisches Schweißverfahren (n)
automatic welding process
procédé (m) de soudure automatique

способъ (m) автоматической сварки
processo (m) di saldatura automatico 7
procedimiento (m) automático de soldadura

Zwischengußverfahren (n)
process of intermediate fusing
procédé (m) de soudure par coulée

способъ (m) сварки проливаніемъ [термитомъ] свариваемыхъ поверхностей
processo (m) di fusione intermedia 8
procedimiento (m) de colada intermedia [fundición]

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1 Thermiteisenumguß (m) band *or* collar of thermit iron welded on enveloppe (f) de fer thermite

проливаніе (n) термитомъ свариваемыхъ поверхностей
ricoprimento (m) di termite
revestimiento (m) de hierro térmite

2 Thermit (n) thermit thermite (f)

термитъ (m)
termite (f)
térmite (m)

3 Thermiteisen (n) thermit iron fer-thermite (m)

термитовое желѣзо (n); желѣзо (n) -термитъ (m)
ferro (m) termitico
hierro-térmite (m)

4 Eisenzusatz (m) filling up punchings addition (f) de fer

присадка (f) *или* прибавленіе (n) желѣза
aggiunta (f) di ferro
añadidura (f) de hierro

5 Titanthermit (n) titanium thermit thermite (f) au titane

титановый термитъ (m)
termite (f) al titanio
titanio térmite (m)

6 Lunkerthermit (n) sinter thermit thermite (f) pour retassure

термитъ (m) для заварки усадочныхъ пустотъ
termite (f) incrostante
térmite (m) para mermas *o* transversales

7 Erwärmungsmasse (f) material to be heated masse (f) de réchauffement

нагрѣвающая масса (f); нагрѣвающій составъ (m)
massa (f) riscaldante
masa (f) de calentamiento

8 Entzündungsgemisch (n) ignition mixture mélange (m) inflammable

воспламенительная смѣсь (f)
miscela (f) inflammante
mezcla (f) inflamable

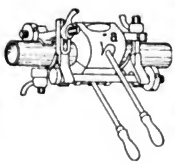
9 Magnesitpulver (n) magnesite powder poudre (f) de magnésite, poudre (f) de carbonate de magnésium

магнезитовый порошокъ (m)
polvere (f) di magnesio
magnesita (f) en polvo

10 Sturmstreichholz (n) flaming vesta, fusee tison (m)

вѣтровыя спички (f pl)
miccia (f)
tizón (m)

11 Klemmapparat (m) für Stumpfschweißen clamp apparatus for butt welding appareil (m) de serrage pour soudure par rapprochement



зажимной аппаратъ (m) *или* тиски (m pl) для сварки въ стыкъ
dispositivo (m) di serraggio per saldatura di testa
aparato (m) de presión para soldar por sección derecha

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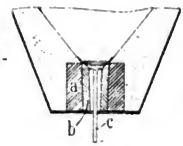
zweiteilige gußeiserne Rohrform (f) cast iron tube mould in halves moule (m) cylindrique en deux pièces en fonte	a	половинчатыя изложницы (f pl) для отливки трубъ forma (f) di ghisa in due metà per tubi molde (m) de hierro colado de dos partes para tubos	1
Schmelztiegel (m) melting crucible creuset (m)		плавильный тигель (m) crogiuolo (m) crisol (m)	2
Spitztiegel (m) conical bottomed crucible creuset (m) conique		остроконечный тигель (m); коническій тигель crogiuolo (m) a punta crisol (m) cónico	3
Magnesiastein (m) magnesia stone brique (f) *ou* pierre (f) en magnésie	a	магнезіальный кирпичъ (m) magnesite (f) piedra (f) magnesia	4
Stopfen (m) thimble obturateur (m)	b	пробка (f) turacciolo (m) obturador (m)	5
Verschlußplättchen (n) closing disc, plug plaque (f) de fermeture		запорная пластинка (f) disco (m) *o* piatto (m) di chiusura plaquita (f) de cierre	6
Asbestscheibe (f) asbestos washer disque (m) en amiante		азбестовый дискъ (m) guarnizione (f) di asbesto *o* di amianto disco (m) de mica	7
Abstichstift (m) tapping pin tige (f) de coulée	c	затычка (f) gambo (m) del disco *o* del piatto palanca (f) de sangrar	8
Tiegelhalter (m) crucible shank porte-creuset (m)		тигельный ухватъ (m) portacrogiuolo (m) tenedor (m) de crisol	9
Füllöffel (m) hand ladle *or* scoop cuiller (f) de coulée		разливной ковшикъ (m); разливная ложка (f) cucchiaione (m) *o* tazza (f) per colare cuchara (f) de fundición	10
Handschaufel (f) spade, shovel pelle (f) à main		ручная лопата (f); лопатка (f) pala (f) pala (f) á mano	11
Schweißzange (f) crucible tongs pince (f) à souder		варочныя *или* сварочныя клещи (f pl) pinza (f) per saldare tenaza (f) de soldar	12

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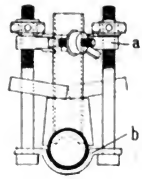
1 Greifklaue (f)
clamping apparatus
appareil (m) à pince



a

зажимные клещи (m pl); зажимной хомутъ (m)
apparecchio (m) di serraggio
garra (f) de sujeción

2 Rohrschelle (f)
tube *or* pipe support
bride (f) pour maintenir le tuyau

b

трубочный зажимъ (m); ухватъ (m); стремя (n)
briglia (f) *o* sopporto (m) per il tubo
brida (f) para sujetar el tubo

3 Außenfeuer (n)
external fire
feu (m) extérieur

наружная топка (f)
fuoco (m) esterno
fuego (m) exterior

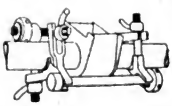
4 Innenfeuer (n)
internal fire
feu (m) intérieur

внутренняя топка (f)
fuoco (m) interno
fuego (m) interior

5 Abstechen (n) des Thermiteisens
chipping off the thermit iron
perçage (m) du trou de coulée du fer thermite

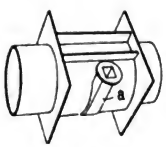
выпускъ (m) желѣзо-термита *или* термитоваго желѣза
spezzatura (f) della termite
horadamiento (m) del agujero de colada del hierro-térmite

6 Eingußform (f)
casting mould *or* form
moule (m) de coulée, forme (f) de coulée



форма (f) для литья; изложница (f)
scatola (f) *o* forma (f) per la fusione
molde (m) de colada en forma de embudo

7 Einlaufrinne (f)
running *or* pouring gate
tubulure (f) *ou* goulot (m) de coulée, trou (m) de coulée



a

пріёмный желобъ (m)
canale (m) *o* foro (m) di colata
tubuladura (f) de entrada

8 Einlaufkanal (m)
running *or* pouring channel
canal (m) de coulée

a

пріёмный каналъ (m)
canale (m) di colata
canal (f) de entrada

9 Einlauftrichter (m)
runner, running head
entonnoir (m) d'introduction

пріёмная воронка (f)
tramoggia (f) di colata
embudo (m) de entrada

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Steigtrichter (m)
rising head, riser
entonnoir (m) de coulée

воронка (f)
imbuto (m) della colata *1*
embudo (m) de subida

Überlaufschnauze (f)
overflow lip
bec (m) de trop-plein

переливной стволъ (m) *или* каналъ *или* выпоръ (m)
scaricatore (m), canale (m) di scarico *2*
boca (f) de rebosar

Schlackenkasten (m)
slag box
boîte (f) à scorie

ящикъ(m) для шлаковъ
cassa (f) delle scorie *3*
caja (f) de escorias

Schutzbrille (f), Brille (f) mit dunklen Gläsern
protective spectacles, coloured spectacles
lunettes (f pl) à verres fumés

предохранительныя очки (n pl); очки съ тёмными стёклами
occhiali (m pl) di protezione *od* affumicati *4*
lentes (f pl) de protección con cristales oscuros

Gießkopf (m)
runner
masselotte (f)

прибыль (f)
massello (m), testa (m) di una colata *5*
cabeza (f) de pieza de fundición

Gießtrichterrohr (n)
runner pipe
tuyau (m) de l'entonnoir de coulée

литниковый каналъ(m)
tubo (m) della tramoggia di colata *o* dell'imbuto di colata *6*
tubo (m) del embudo de fundir [*ó* de salida]

Schlacke (f)
slag
scorie (f)

шлакъ (m)
scoria (f) *7*
escoria (f)

Korundschlacke (f)
corundum slag
scorie (f) de corindon

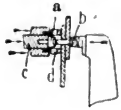
корундовый шлакъ (m)
scoria (f) silicea *8*
escoria (f) de „corund"

Aluminiumoxyd (n), künstlicher Korund (m)
aluminium oxide, artificial corundum
oxyde (m) d'aluminium, corindon (m) artificiel

окись (f) алюминія; искусственный корундъ (m)
ossido (m) di alluminio, corindone (m) artificiale *9*
„corund" (m) artificial, óxido (m) de aluminio

Lunker (m)
shrinkage hole
retassure (f)

усадочная раковина (f)
soffiatura (f) *10*
merma (f)



Nietmaschine (f), Nieter (m)
riveting machine, riveter
machine (f) à river, riveuse (f)

клепальная машина (f); клепальный станокъ (m)
macchina (f) per ribadire, chiodatrice (f) *11*
máquina (f) de remachar, remachadora (f)

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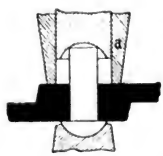
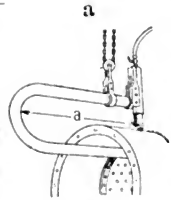
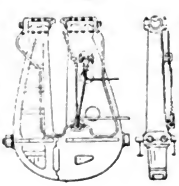
1	Schelleisen (n), Kopfsetzer (m), Döpper (m), Nietstempel (m), Druckstempel (m), Krone (f), Schließkopfgesenk (n) snap set, snap head die bouterolle (f)	a	обжимка (f) клепальной машины; подвижнач штампа (f) клепальнаго станка stampo (m) per chiodi, buttarola (f) boterola (f), estampa (f) de cerrar el remache
2	Gegenhalter (m), Vorhalter (m), Anpreßstempel (m), Stempel (m) holder up, dolly, head cup, stationary rivet die tas (m)	b	поддержка (f) клепальной машины; неподвижная штампа (f) клепальнаго станка controstampo (m), contraforte (m) sufridera (f), contraestampa (f)
3	Arbeitskolben (m), Druckkolben (m) ram piston (m), piston (m) de pression	c	рабочій поршень (m) stantuffo (m) premente émbolo (m) de trabajo *ó* de presión
4	Blechschlußring (m), Plattendrücker (m), Plattenpresser (m), Blechschluß (m) plate closer *or* holder, closing die pied (m) de biche serreur	 a	обжимка (f) *или* обдавка (f) для листовъ; кольцо (n), прижимающее листы anello (m) di pressione, premi-placca (m), premi-lamiera (m) disposición (f) de oprimir las chapas
5	Rückzugkolben (m) drawback piston piston (m) de rappel	a	поршень (m) обратнаго хода stantuffo (m) di ritorno émbolo (m) de retroceder
6	Ausladung (f) *oder* Maultiefe (f) der Nietmaschine gap *or* throat depth of riveting machine portée (f) de la riveuse	 a	вылетъ (m) машины *или* станка profondità (f) della gola abertura (f) de la remachadora
7	feststehende *oder* stabile Nietmaschine (f) stationary riveting machine machine (f) à river fixe, riveuse (f) fixe		неподвижная клепальная машина (f); неподвижный клепальный станокъ (m) macchina (f) per ribadire fissa, chiodatrice (f) *o* ribaditrice (f) fissa máquina (f) de remachar fija *ó* estacionaria

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bewegliche *oder* versetzbare *oder* transportable Nietmaschine (f)
transportable riveting machine
machine (f) à river transportable, riveuse (f) transportable

подвижная клепальная машина (f); подвижной клепальный станокъ (m)
macchina (f) per ribadire trasportabile, chiodatrice (f) *o* ribaditrice (f) trasportabile *1*
máquina (f) de remachar semi-portátil

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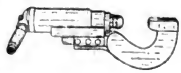
tragbare Nietmaschine (f)
hand portable riveter
machine (f) à river *ou* riveuse (f) portative



переносная клепальная машина (f); переносный клепальный станокъ (m)
macchina (f) per ribadire portatile, chiodatrice (f) *o* ribaditrice (f) portatile *2*
máquina (f) de remachar portátil

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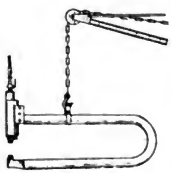
fahrbare Nietmaschine (f)
portable riveting machine
machine (f) à river *ou* riveuse (f) déplaçable



передвижная клепальная машина (f); клепальный станокъ (m), подвѣшенный къ крану
macchina (f) per ribadire scorrevole, chiodatrice (f) *o* ribaditrice (f) scorrevole *3*
máquina (f) de remachar desplazable

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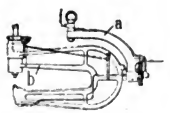
lot- und wag[e]recht drehbare Nietmaschine (f)
vertically and horizontally adjustable riveting machine
machine (f) à river à suspension universelle



клепальная машина (f), вращающаяся вокругъ горизонтальной и вертикальной оси; клепальный станокъ (m) съ универсальнымъ подвѣсомъ
macchina (f) per ribadire *o* chiodatrice (f) *o* ribaditrice (f) a sospensione universale *4*
máquina (f) de remachar giratoria verticalmente y horizontalmente

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Aufhängebügel (m), Bügel (m), Hänger (m)
suspension bow
étrier (m) de suspension

a

подвѣска (f); подвѣсной рычагъ (m); подвѣсная обойма (f)
braccio (m) di sospensione *5*
arco (m) de suspensión

Maulschenkel (m)
main jaw
branche (f) de l'étrier

b

рычагъ (m) станины, образующій зѣвъ
incastellatura (f) *6*
pierna (f) del arco de suspensión

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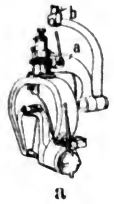


a

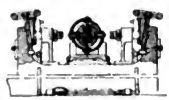
1 Zwischenaufhängebügel (m)
intermediate suspension bow
étrier (m) intermédiaire de suspension

промежуточный подвѣсной рычагъ (m); промежуточная подвѣсная обойма (f)
braccio (m) intermedio
arco (m) intermedio de suspensión

2 Aufhängebolzen (m)
suspension bolt
tourillon (m) de suspension

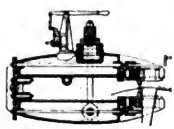
b

болтъ (m) подвѣски или подвѣсной обоймы
perno (m) di sospensione
perno (m) de suspensión



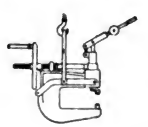
3 Nietmaschine (f) für trommelförmige Körper, Nietmaschine (f) für doppelte Nietung
boiler *or* cylinder riveting machine
machine (f) à river *ou* riveuse (f) pour pièces cylindriques *ou* pour double rivure

[клепальная] машина (f) для склёпыванія цилиндровъ; [клепальный] станокъ (m) для одновременной склёпки двухъ швовъ
ribaditrice (f) *o* chiodatrice (f) per pezzi formati a tamburo *o* per chiodature doppie
máquina (f) de remachar para piezas cilíndricas, máquina (f) de remachar para remachado doble



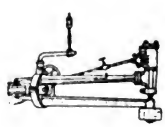
4 verstellbare Nietmaschine (f)
adjustable riveting machine
machine (f) à river *ou* riveuse (f) réglable

переставная клепальная машина (f); регулируемый клепальный станокъ (m)
ribaditrice (f) *o* chiodatrice (f) regolabile
máquina (f) de remachar graduable



5 Handnietmaschine (f)
hand riveting machine
machine (f) à river *ou* riveuse (f) à main

ручная клепальная машина (f); ручной клепальный станокъ (m)
chiodatrice (f) *o* ribaditrice (f) a mano
máquina (f) de remachar á mano



6 Hammernietmaschine (f)
hammer riveting machine
machine (f) à river à marteau, riveuse (f) à marteau, marteau (m) à river

клепальный станокъ (m)-молотъ (m); клепальный молотъ (m)
chiodatrice (f) *o* ribaditrice (f) a martello
máquina (f) de remachar [á efecto] de martillo

7 Hebelnietmaschine (f)
lever riveting machine
riveuse (f) à levier, machine (f) à river à levier

рычажная клепальная машина (f); рычажный клепальный станокъ (m)
ribaditrice (f) *o* chiodatrice (f) a leva
máquina (f) de remachar [á efecto] de palanca

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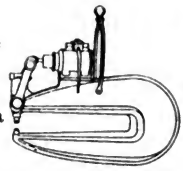
Kniehebelnietmaschine (f)
toggle joint riveting machine
machine (f) à river à levier articulé

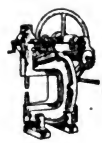


клепальная машина (f) *или* клепальный станокъ (m) съ колѣнчатымъ рычагомъ
chiodatrice (f) *o* ribaditrice (f) a leva articolata *od* a gomito
máquina (f) de remachar de palanca acodada *1*

Schraubennietmaschine (f)
screw riveting machine
machine (f) à river à vis, riveuse (f) à vis

винтовая клепальная машина (f); винтовой клепальный станокъ (m)
ribaditrice (f) *o* chiodatrice (f) a vite
máquina (f) de remachar de tornillo *2*

Kŭrbelnietmaschine (f)
crank driven riveting machine
machine (f) à river *ou* riveuse (f) à manivelle



клепальная машина (f) съ кривошипомъ; клепальный станокъ (m), работающій при посредствѣ кривошипа
ribaditrice (f) *o* chiodatrice (f) a manovella
máquina (f) de remachar de manivela *3*

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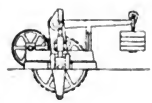
mittels Transmission betriebene Nietmaschine (f)
belt driven riveting machine
machine (f) à river à courroie

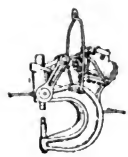


приводная клепальная машина (f); приводный клепальный станокъ (m)
chiodatrice (f) *o* ribaditrice (f) a trasmissione
máquina (f) de remachar movida por transmisión *4*

Dampf[druck]nietmaschine (f)
steam driven riveting machine
riveuse (f) à vapeur, machine (f) à river à vapeur

паровая клепальная машина (f); паровой клепальный станокъ (m)
chiodatrice (f) *o* ribaditrice (f) a vapore
máquina (f) de remachar por presión de vapor *5*

Druckluftnietmaschine (f), Preßluftnietmaschine (f)
pneumatic riveting machine
machine (f) à river *ou* riveuse (f) pneumatique



клепальная машина (f), работающая сжатымъ воздухомъ; пневматическій клепальный станокъ (m)
ribaditrice (f) *o* chiodatrice (f) ad aria compressa
máquina (f) de remachar por presión de aire *6*

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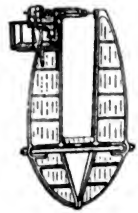
1 Wasserdrucknietmaschine (f), hydraulische Nietmaschine (f), Druckwassernietmaschine (f)
hydraulic riveting machine
machine (f) à river *ou* riveuse (f) hydraulique



гидравлическая клепальная машина (f); гидравлическій клепальный станокъ (m)
ribaditrice (f) *o* chiodatrice (f) idraulica *o* ad acqua compressa
máquina (f) de remachar hidráulica

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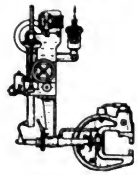
2 elektrische Nietmaschine (f)
electric riveting machine
riveuse (f) électrique



электрическая клепальная машина (f); электрическій клепальный станокъ (m)
ribaditrice (f) *o* chiodatrice (f) elettrica *od* a comando elettrico
máquina (f) de remachar eléctrica

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3 nieten (v), vernieten (v)
to rivet
river (v), riveter (v)

склёпывать
chiodare (v), ribadire (v)
remachar (v), roblonar (v)

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4 Nieten (n), Herstellen (n) einer Nietverbindung
riveting
rivetage (m)

склёпываніе (n)
ribaditura (f), chiodatura (f)
remachado (m), roblonado (m)

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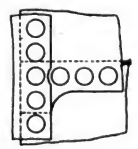
5 Nietung (f), Vernietung (f), Nietverbindung (f)
riveted joint
rivure (f), assemblage (m) par rivet



клёпка (f); склёпка (f); заклёпочное соединеніе (n)
ribaditura (f), chiodatura (f)
unión (f) por remachado

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6 Niete (f), Niet (m *oder* n)
rivet
rivet (m)

заклёпка (f)
ribattino (m), chiodo (m), rivetto (m)
remache (m), roblón (m)

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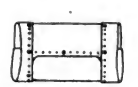
7 Heftniete (f)
tacking rivet
rivet (m) provisoire, rivet (m) de repérage



временная заклёпка (f); сшивка (f)
ribattino (m) *o* chiodo (m) provvisorio
remache (m) provisional

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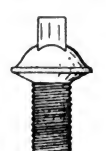
8 Nietschraube (f)
screwed rivet
rivet (m) fileté, vis (f) de rivetage



ввёртышъ (m); винтовая шпилька (f)
ribattino (m) *o* chiodo (m) filettato
tornillo (m) de remache

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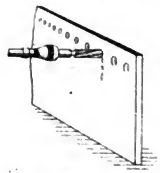
Nietlöcher schneiden (v) *oder* stanzen (v)
to punch rivet holes
poinçonner (v) des trous de rivets

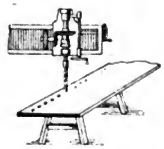
пробовать заклёпочныя отверстія
punzonare (v) i fori per ribattini *o* chiodi
punzonar (v) agujeros para el remachado
1

Nietlöcher aufreiben (v)
to broach *or* ream rivet holes
aléser (v) des trous de rivets



развёртывать заклёпочныя отверстія
alesare (v) i fori per ribattini *o* per chiodi
escariar (v) agujeros de remaches
2

Nietlöcher bohren (v)
to drill rivet holes
percer (v) *ou* forer (v) des trous de rivets



сверлить (высверливать) заклёпочныя отверстія
forare (v) *o* trapanare (v) i fori per ribattini *o* per chiodi
taladrar (v) agujeros para remaches
3

Versenken (n) der Nietlöcher
countersinking of the rivet holes
fraiser (v) *ou* noyer (v) des trous de rivets

зенковка (f) *или* зенкованіе (n) *или* зинковка (f) *или* коническая заточка (f) заклёпочныхъ отверстій
acciecatura (f) dei fori per ribattini *o* per chiodi
avellanar (v) los agujeros para remaches
4

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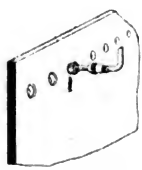
versenken (v)
to countersink
fraiser (v) *ou* noyer (v) des trous



зенковать; зинковать; раззенковывать
acciecare (v)
avellanar (v)
5

Aufeinanderpassen (n) de Nietlöcher
matching *or* fitting together of the rivet holes
ajustage (m) des trous de rivets l'un sur l'autre

припонка (n) заклёпочныхъ отверстій
appaiare (v) i fori
ajuste (m) de los agujeros de remaches
6

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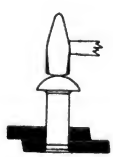
die Niete einziehen (v), die Niete einstecken (v), die Niete eintreiben (v)
to drive in the rivet
poser (v) *ou* placer (v) le rivet



вставить (-лять) *или* вогнать (вгонять) *или* всадить (всаживать) заклёпку
introdurre (v) *o* piazzare (v) *o* conficcare (v) il chiodo
introducir (v) el remache ó roblón
7

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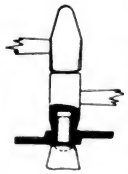
1
die Niete anziehen (v)
to set a rivet
serrer (v) le rivet par accotement des tôles

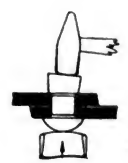


притянуть заклёпку; придавить (прижать) плотно листы съ цѣлью выдавить стержень заклёпки
introdurre (v) *o* piazzare (v) *o* tirare (v) a fondo il chiodo
embutir (v) el remache

2
Nieten[an]zieher (m)
rivet set
accosteur (m), serre-tôle (m), bouterolle (f) creuse

обжимка (f); обдавка (f)
utensile (m) per introdurre *o* tirare a fondo il chiodo
embutidor (m) de remache

3
Stauchen (n) der Niete
clenching a rivet
refoulement (m) *ou* clinchage (m) *ou* écrasement (m) du rivet



осаживаніе (n) заклёпки
ricalcatura (f) del chiodo
recalcamiento (m) del remache

4
die Niete stauchen (v)
to clench a rivet
refouler (v) *ou* clincher (v) *ou* écraser (v) le rivet

осадить (осаживать) заклёпку
ricalcare (v) il chiodo
recalcar (v) el remache

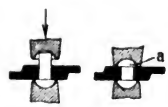
5
Nietkopf (m)
rivet head
tête (f) de rivet

головка (f) заклёпки
testa (f) *o* capocchia (f) del chiodo
cabeza (f) de remache

6
den Schließkopf bilden (v)
to form the closing head
former (v) la seconde tête *ou* la tête de fermeture

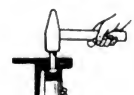
образовать высадную *или* замыкающую *или* вторую головку; высадить вторую головку
formare (v) la testa *o* la capocchia ribadita
formar (v) la cabeza de cerrar

7
Schließkopf (m)
closing head
seconde tête (f), tête (f) de fermeture



высадная *или* замыкающая *или* вторая головка (f) заклёпки
capocchia (f) *o* testa (f) ribadita
cabeza (f) de cierre

8
gegenhalten (v)
to hold up
maintenir (v) le rivet au moyen du tas *ou* de la contre-bouterolle



поддерживать заклёпку
tenere (v) a posto il chiodo a mezzo del controstampo *o* contrafforte
sufrir (v) ó tener (v) en contra

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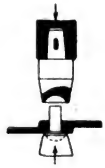
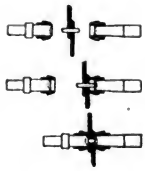
das Schließkopfgesenk auf die Niete drücken (v)
to press the snap head die against the rivet
presser (v) la bouterolle sur le rivet



нажать обжимку высадной головки на заклёпку
pressare (v) *o* comprimere (v) la buttarola *o* lo stampo contro il chiodo *1*
tener (v) la boterola contra el remache

Stiftnietung (f)
pin riveting
rivetage (m) *ou* rivure (f) à tige *ou* à goupille sans tête



клёпка (f) съ одновременнымъ образованіемъ обѣихъ головокъ
ribaditura (f) *o* chiodatura (f) doppia delle due teste di una spina *2*
remachado (m) de espigas sin cabeza, formación (f) simultánea de las dos cabezas de remache

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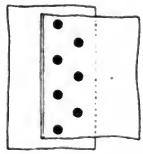
Nietnaht (f)
rivet *or* riveted seam
joint (m) rivé, file (f) de rivets



заклёпочный шовъ (m)
fila (f) di chiodi, chiodatura (f) *3*
hilera (f) *ó* costura (f) de remaches

Überlappen (n)
overlapping
recouvrement (m)

нахлёстываніе (n); напускъ (m) *4*
sovrapposizione (f)
sobreposición (f)

überlappen (v)
to lap
recouvrir (v)

нахлёстывать; образовать перекрытіе въ напускъ *или* въ нахлёстку *5*
sovrapporre (v)
sobreponer (v)

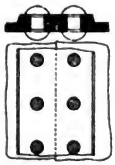
Überlappungsnietung (f)
lap riveting
rivure (f) à recouvrement

заклёпочный шовъ (m) въ напускъ *или* въ нахлёстку
ribaditura (f) *o* chiodatura (f) a orli sovrapposti *6*
remachado (m) por sobreposición de los dos extremos

überlaschen (v)
to place a butt trap over joint
river (v) à couvre-joint

сдѣлать стыкъ съ накладкой
ribadire (v) *o* chiodare (v) con coprigiunto *7*
cubrir (v) la junta

Laschennietung (f)
butt riveted joint
rivure (f) à couvre-joint



заклёпочный шовъ (m) съ накладкой
chiodatura (f) *o* ribaditura (f) con coprigiunto *8*
remachado (m) á eclise *ó* de cubrejunta

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1 Niethammer (m)
riveting hammer
marteau-riveur(m), marteau (m) de rivetage, rivoir (m)

клепало (n); заклёпочный молотокъ (m); заклёпникъ (m)
martello (m) per ribadire
martillo (m) de remachar

2 Schellhammer (m)
snap hammer
bouterolle (f) à manche

обжимка (f) съ глазомъ
martello (m) a stampo
martillo-estampa (m)

3 Nietwinde (f)
screw dolly
vérin (m) de rivetage

винтовая поддержка (m)
martinetto (m) per ribadire *o* per chiodare
torno (m) de remache

4 Nietpfanne (f)
dolly
bouterolle (f)

поддержка (f) для заклёпки
cunetta (f)
boterola (f)

5 Nietwippe (f)
lever dolly
levier (m) à bouterolle

упорная или рычажная поддержка (f); журавъ (m)
leva (f) del martinetto
leva (f) á boterola *ó* á estampa

6 Nietzange (f)
riveting tongs (pl)
pince (f) à rivets

заклёпочныя клещи (f pl)
tenaglia (f) per chiodi
tenaza (f) de remache

7 Nietgriff (m)
riveting handle
fourche (f) à rivets

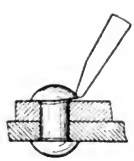
захватка (f) для заклёпокъ
forcella (f) per chiodi
mango (m) de remache

8 Dichthalten (n) der Nietnaht
keeping tight of the riveted joint
étanchéité (f) de la rivure

плотность (f) заклёпочнаго шва
tenuta (f) della chiodatura
junta (f) hermética de la costura de remaches

9 Nieten verstemmen (v)
to caulk the rivets
mater (v) des rivets

чеканить или расчекани-ть (вать) заклёпку
calafatare (v) *o* acciecare (v) i chiodi
calafatear (v) remaches



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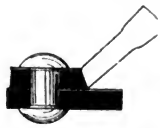
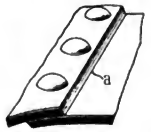
Stemmen (n), Verstemmung (f), Verstemmen (n)
caulking, fullering
matage (m)



чеканка (f); расчеканка (f)
acciecatura (f), calafataggio (m) 1
calafateo (m)

Stemmnaht (f)
caulked *or* caulking seam
matage (m), joint (m) maté



чеканенный *или* подчеканенный шовъ (m)
fila (f) di chiodi *o* chiodatura (f) calafatata 2
linea (f) de calafateo

Stemmkante (f)
caulking edge
bord (m) maté *ou* à mater

a

подчеканиваемая кромка (f)
orlo (m) *o* bordo (m) calafatato 3
borde (m) de calafateo

Handstemmung (f)
hand caulking
matage (m) à la main

чеканка (f) въ-ручную; ручная чеканка
calafataggio (m) a mano 4
calafateo (m) à mano

Stemmeißel (m), Stemmsetze (f)
caulking tool *or* chisel
burin (m) à mater, matoir (m)

a

чеканка (f)
utensile (m) per calafatare *o* per acciecare 5
corta-frío (m) de calafatear

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pneumatische Stemmung (f)
pneumatic caulking
matage (m) pneumatique

пневматическая чеканка (f)
calafataggio (m) pneumatico *o* con utensile pneumatico 6
calafateo (m) neumático

Stemmhammer (m)
caulking hammer
marteau (m) à mater

a

молотокъ (m) для чеканки
martello (m) per calafatare 7
martillo (m) de calafatear y retacar

Nachstemmen (n)
recaulking
rematage (m) nouveau, matage (m)

подчеканка (f)
ricalafataggio (m)
calafateo (m) de nuevo, el retacar 8

Nietnahtfestigkeit (f)
strength of a rivet seam
résistance (f) de la rivure

прочность (f) заклёпочнаго шва
resistenza (f) della chiodatura 9
resistencia (f) de la costura de remaches

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1 Nietwiderstand (m)
resistance of the rivet
résistance (f) du rivet

сопротивление (n) заклёпки
resistenza (f) del chiodo *o* del rivetto
resistencia (f) del remache

---

2 Nietdruck (m), Nietpressung (f)
riveting pressure
pression (f) de rivetage

давление (n), производимое заклёпкой
pressione (f) del chiodo *o* del rivetto
presión (f) de remache

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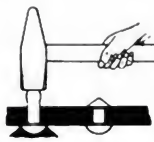
3 Handnietung (f)
hand riveting
rivetage (m) à la main



ручная склёпка (f); клёпка въ-ручную
ribaditura (f) *o* chiodatura (f) a mano
remachado (m) á mano

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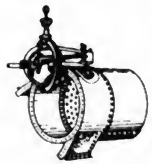
4 Maschinennietung (f), Nietung (f) mit der Maschine
machine riveting
rivure (f) *ou* rivetage (m) à la machine



машинная склёпка (f); клёпка (f) при помощи машины
chiodatura (f) *o* ribaditura (f) a macchina
remachado (m) á máquina

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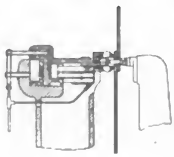
5 Druckwassernietung (f), hydraulische Nietung (f)
hydraulic riveting
rivure (f) *ou* rivetage (m) hydraulique



гидравлическая склёпка (f); клёпка (f) гидравлическимъ инструментомъ
ribaditura (f) *o* chiodatura (f) a pressione idraulica
remachado (m) hidráulico *ó* por agua de presión

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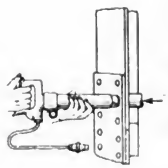
6 Druckluftnietung (f), pneumatische Nietung (f)
pneumatic riveting
rivetage (m) *ou* rivure (f) pneumatique



пневматическая склёпка (f); клёпка (f) сжатымъ воздухомъ
ribaditura (f) *o* chiodatura (f) ad aria compressa
remachado (m) por aire comprimido, remachado (m) neumático

---

7 elektrische Nietung (f)
electric riveting
rivetage (m) *ou* rivure (f) électrique

электрическая склёпка (f); клёпка (f) при помощи электричества
ribaditura (f) *o* chiodatura (f) elettrica
remachado (m) eléctrico

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8 warme Nietung (f)
hot riveting
rivetage (m) *ou* rivure (f) à chaud

горячая склёпка (f) *или* клёпка (f)
chiodatura (f) *o* ribaditura (f) a caldo
remachado (m) en caliente

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Warmnieten (n)
riveting hot
rivetage (m) à chaud

горячее склёпываніе (n)
ribaditura (f) *o* chiodatura (f) a caldo
remachado (m) caliente *1*

Nieten erhitzen (v), Nieten glühend machen (v)
to heat rivets
chauffer (v) les rivets

нагрѣ·ть (-вать) заклёпку до краснаго каленія
scaldare (v) i chiodi *o* i rivetti
calentar (v) ó caldear (v) remaches *2*

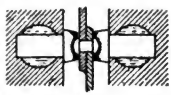
Stauchtemperatur (f) (der Niete)
suitable temperature for riveting
température (f) de l'écrasement du rivet

температура (f) расковки [заклёпки]
calore (m) *o* temperatura (f) di ricalcatura dei chiodi *o* dei rivetti
temperatura (f) de recalcar del remache *3*

Nietwärmofen (m)
rivet forge
four (m) à chauffer les rivets

горнъ (m) для нагрѣва[нія] заклёпокъ
forno (m) per scaldare i chiodi *o* i rivetti
horno (m) de caldear ó de calentar remaches *4*

Kühlhalten (n) des Schelleisens durch Kühlwasser
cooling of the riveting snaps with water
refroidissement (m) à l'eau de la bouterolle



охлажденіе (n) обжимки водою
raffreddamento (m) ad acqua dello stampo per chiodi *o* per rivetti
refrigeramiento (m) de la boterola por agua *5*

---

kalte Nietung (f)
cold riveting
rivure (f) *ou* rivetage (m) à froid

холодная склёпка (f) *или* клёпка (f)
chiodatura (f) *o* ribaditura (f) a freddo
remachado (m) en frío *6*

Kaltnieten (n)
riveting cold
rivetage (m) à froid

холодное склёпываніе (n); склёпываніе въ холодную
ribaditura (f) *o* chiodatura (f) a freddo
remachado (m) frío *7*

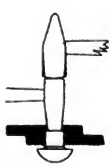
---

die Nietverbindung lösen (v)
to break a rivet joint
dériveter (v) *ou* défaire (v) une rivure

разъедин-ить (ять) *или* разбирать (разобрать) заклёпочное соединеніе
disfare (v) *o* togliere (v) una chiodatura
soltar (v) la unión de remaches *8*

---

entnieten (v), Nieten herausschlagen (v)
to punch *or* knock *or* drive out the rivets
dériveter (v) *ou* faire sauter (v) *ou* chasser (v) des rivets



расклепать, расклёпывать заклепочное соединеніе; выби-ть (-вать) заклёпки
cacciare (v) *o* levare (v) i chiodi *o* i rivetti
soltar (v) remaches á golpe *9*

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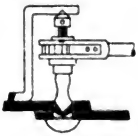
1 Nieten ausbohren (v)
to drill out rivets
enlever (v) les rivets par perçage *ou* au forage



высверлить заклёпки
trapanare (v) i chiodi *o* i rivetti
barrenar (v) remaches para quitarlos

---

2 den Nietkopf auskreuzen (v)
to chop off a rivet head
bédaner (v) la tête du rivet

срубить головку заклёпки крейцмейселемъ
far saltare (v) *o* scalpellare (v) la capocchia
descabezar (v) el remache

Biege- und Richtmaschinen

3 **Bending and Straightening Machines** *or* **Rolls**

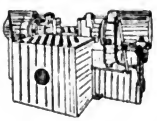
Machines à plier *ou* **cintrer** *ou* **dresser**

Загибочные и правильные станки; станки для сгибанія и правки

Macchine da piegare *o* **da curvare** *o* **da raddrizzare**

Máquinas de curvar y enderezar

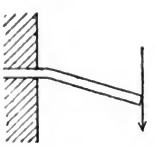
4 Bieg[e]maschine (f)
bending machine
machine (f) à plier *ou* à cintrer



загибочный *или* загибной *или* сгибающій *или* гибочный станокъ (m); станокъ для сгибанія
macchina (f) da piegare *o* da curvare
máquina (f) de curvar

---

5 biegen (v)
to bend
cintrer (v), plier (v)



сгибать
piegare (v), curvare (v)
curvar

---

6 Biegen (n)
bending
cintrage (m), pliage (m)

сгибаніе (n)
piegatura (f), curvatura (f)
curvadura (f)

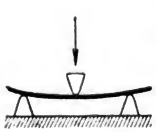
---

7 durchbiegen (v)
to deflect, to sag
incurver (v), courber (v), plier (v), cintrer (v)

изгибать; прогибать
[in]curvare (v)
curvar (v)

---

8 Durchbiegen (n)
deflection
pliage (m), cintrage (m), fléchissement (m)



изгибаніе (n); прогибаніе (n)
[in]curvatura (f)
curvadura (f)

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Biegung (f)
bend
cintrage (m), flexion (f), courbure (f)

сгибъ (m)
piegatura (f), curvatura (f) 1
curvadura (f)

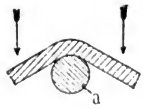
---

biegbar (adj)
pliable (adj), bendable (adj)
pliable (adj), flexible (adj)

сгибающійся
pieghevole (agg), flessibile (agg) 2
curvable (adj)

---

um einen Dorn biegen (v)
to bend round a block
plier (v) *ou* courber (v) *ou* cintrer (v) autour d'un mandrin *ou* d'une broche *ou* d'une tige



сгибать на оправкѣ
piegare (v) *o* curvare (v) su mandrino *o* stelo 3
curvar (v) alrededor de una espiga

Biegedorn (m)
bending block
mandrin (m) de pliage *ou* de cintrage

a

оправка (f) для сгибанія
mandrino (m) *o* spina (f) per la piegatura *o* per la curvatura 4
espiga (f) de curvar

Biegestelle (f)
bending point
point (m) de cintrage *ou* de pliage

a

мѣсто (n) сгиба
punto (m) della curvatura *o* della piegatura 5
punto (m) de curvar

Biegewinkel (m), Abbiegungswinkel (m)
angle of bending
angle (m) de cintrage *ou* de pliage

α

уголъ (m) сгиба
angolo (m) di piegatura *o* curvatura 6
ángulo (m) de curvar *ó* de doblez

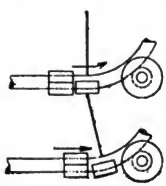
---

um 90° (neunzig Grad) biegen (v)
to bend to 90° (ninety degrees)
plier (v) à 90° (à quatre-vingt dix degrés)

сгибать (согнуть) на 90° (на девяносто градусовъ)
piegare (v) *o* curvare (v) a 90° (novanta gradi) 7
curvar (v) *ó* doblar (v) á 90° (á noventa grados)

---

eine Röhre biegen (v)
to bend a pipe *or* tube
cintrer (v) *ou* courber (v) un tuyau



сгибать (согнуть) трубу
piegare (v) *o* curvare (v) un tubo 8
curvar (v) un tubo

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1 Krümmung (f) des Werkstücks
bending of a piece of work
courbure (f) *ou* coudage (m) de la pièce à usiner

кривизна (f) обрабатываемаго предмета
piegatura (f) *o* curvatura (f) del pezzo [da lavorare]
curva (f) de la pieza de labor

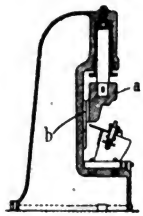
---

2 Einspannvorrichtung (f)
gripping apparatus *or* device
dispositif (m) de fixation

зажимное устройство (n) *или* приспособленіе (n)
dispositivo (m) di serraggio
disposición (f) de sujeción

---

3 Biegekopf (m)
bending head
tête (f) *ou* matrice (f) *ou* pilon (m) de pliage



a

сгибающая *или* загибочная головка (f)
punzone (m) *o* testa (f) per piegare
cabezal (m) de curvar

---

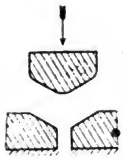
4 Biegekopfführung (f)
bending head slide
guidage (m) de la tête de coudage *ou* de pliage

b

направляющія (f pl) сгибающей *или* загибочной головки
guida (f) del punzone *o* della testa per piegare
conducción (f) del cabezal de curvar

---

5 Biegebacken (f pl)
bending blocks
joues (fpl) des matrices de pliage *ou* de coudage



сгибающія плашки (f pl); сгибающіе кулачки (m pl)
matrice (f) per piegare
mordazas (f pl) del cabezal de curvar

---

6 Biegemaschine (f) mit festen Backen
bending machine with fixed blocks
machine (f) à plier *ou* à couder avec matrices fixes

загиб[оч]ный станокъ (m) съ постоянными плашками
piegatrice (f) *o* curvatrice (f) con matrice fissa
máquina (f) de curvar con mordazas fijas

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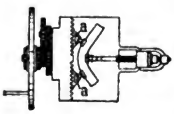
7 Stabbiegemaschine (f)
bar bending machine
machine (f) à cintrer *ou* plier *ou* courber les arbres *ou* les barres



станокъ (m) для сгибанія полосъ *или* стержней
macchina (f) da curvare *o* piegare barre
máquina (f) de curvar varillas

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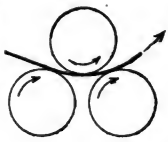
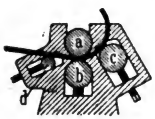
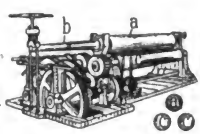
stützende Backe (f) supporting block matrice (f) d'appui	a	подпорная плашка (f); подпорный кулачокъ (m) guancia (f) d'appoggio mordaza (f) de apoyo	1
Biegepresse (f) bending press presse (f) à plier *ou* à cintrer *ou* à couder		загиб[оч]ный прессъ (m) pressa (f) per piegare *o* curvare prensa (f) de curvar	2
mittels Walzen biegen (v) to bend by means of rolls cintrer (v) au moyen de rouleaux *ou* de cylindres		сгибать посредствомъ валковъ curvare (v) a mezzo di rulli *o* di cilindri curvar (v) por medio de rodillos *ó* de cilindros	3
Walzenbiegemaschine (f), Biegewalzwerk (n), Biegemaschine (f) mit Walzen bending rolls machine (f) à cintrer à rouleaux		загиб[оч]ный станокъ (m) съ валками macchina (f) a cilindri *o* a rulli per curvare, curvatrice (f) a cilindri *o* a rulli máquina (f) de curvar de cilindros	4
Führungswalze (f) guide roll rouleau (m) de guidage	a, b	направляющій валокъ (m) rullo (m) *o* cilindro (m) di guida rodillo (m) *ó* cilindro (m) de guía	5
Biegewalze (f), biegende Walze (f) bending roll cylindre (m) de cintrage, cylindre (m) principal	c	загибочный *или* сгибающій валокъ (m) rullo (m) *o* cilindro (m) curvatore rodillo (m) *ó* cilindro (m) de curvar	6
Vorbiegewalze (f) preliminary bending roll rouleau (m) d'avant-cintrage, cylindre (m) de cintrage préliminaire	d	валокъ (m) для подготовительнаго сгибанія rullo (m) *o* cilindro (m) alimentatore rodillo (m) *ó* cilindro (m) de la primera curvadura	7
Mittelwalze (f) middle roll rouleau (m) du milieu		средній валокъ (m) rullo (m) *o* cilindro (m) di mezzo *o* intermedio rodillo (m) *ó* cilindro (m) central	8
	a		
Walzenschwanz (m) tail of roll, gudgeon tige (f) *ou* queue (f) de cylindre	b	конецъ (m) *или* хвостъ (m) валка gambo (m) *o* coda (f) del cilindro *o* del rullo apéndice (m) de cilindro	9

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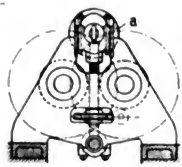
1 Seitenwalze (f)
side roll
rouleau (m) latéral *ou* de côté

c

боковой валокъ (m)
rullo (m) *o* cilindro (m) laterale
cilindro (m) *ó* rodillo (m) lateral

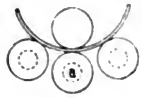
2 verstellbare Walze (f)
adjustable roll
rouleau (m) réglable



a

переставляемый *или* регулируемый валокъ (m)
rullo (m) *o* cilindro (m) regolabile *o* spostabile
cilindro (m) *ó* rodillo (m) graduable

3 Stützrolle (f)
supporting roll
rouleau (m) d'appui *ou* de support



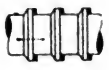
a

подпорный роликъ (m)
cilindro (m) *o* rullo (m) di sostegno
rollo (m) de apoyo

4 Zapfenlagerung (f)
spindle bearing
support (m) à tourillon

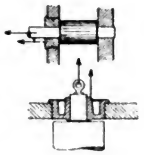
подшипники (m pl) шеекъ
sopporto (m) dei perni *o* dell'asse dei cilindri
apoyo (m) de espigas

5 Kammzapfen (m)
trunnion *or* spindle with collars
tourillon (m) à collet à trèfle



гребенчатая шейка (f) *или* цапфа (f)
perno (m) a collari *o* ad anelli
espiga (f) con anillos

6 Ausheben (n) der Walze
taking out the roll
enlèvement (m) du rouleau

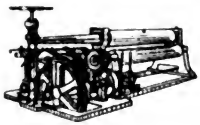


вынимание (n) валка
spostamento (m) *o* sollevamento (m) del cilindro *o* del rullo
levantamiento (m) del rodillo

7 Durchgang (m) des Bleches
passing through of plate
passage (m) de la tôle

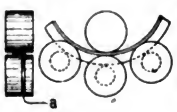
проходъ (m) листа
passaggio (m) della lamiera
paso (m) de la chapa

8 Blechbiegemaschine (f)
plate bending machine
machine (f) à cintrer les tôles



станокъ (m) для сгибанія листовъ
macchina (f) da curvare lamiere
máquina (f) de curvar chapas

9 Winkeleisenbiegemaschine (f)
angle iron bending machine
machine (f) à cintrer les cornières



станокъ (m) для сгиба нія углового желѣза
macchina (f) da curvare ferri d'angolo
máquina (f) de curvar cantoneras

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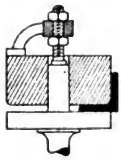
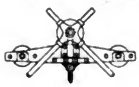
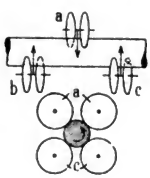
Walzenfurche (f) groove for angle web rainure (f) du cylindre	a		ручей (m) *или* канавка (f) *или* паз (m) валка scanalatura (f) del cilindro *o* del rullo ranura (f) *ó* surco (m) en el cilindro
nachstellbare Walzenfurche (f) adjustable groove for angle web rainure (f) réglable du cylindre			переставляемый ручей (m) *или* паз (m) валка; переставляемая канавка (f) валка scanalatura (f) regolabile del cilindro *o* del rullo ranura (f) *ó* surco (m) graduable del cilindro
Reifenbiegemaschine (f) tyre bending machine machine (f) à cintrer les bandages *ou* les cercles			станокъ (m) для сгибанія обручей macchina (f) da curvare cerchioni máquina (f) de curvar llantas
tragbare Schienenbiegemaschine (f) portable rail bending machine machine (f) portative à cintrer les rails			переносный станокъ (m) для сгибанія рельсъ macchina (f) portatile da curvare rotaie máquina (f) portátil de curvar carriles
Richtmaschine (f), Spannmaschine (f) straightening machine machine (f) à dresser			правильный станокъ (m); станокъ для правки macchina (f) da raddrizzare *o* da spianare máquina (f) de enderezar
Richtrolle (f) straightening roll rouleau (m) à dresser *ou* de dressage	a		правильный валокъ (m) cilindro (m) *o* rullo (m) spianatore rollo (m) *ó* cilindro (m) de enderezar
richten (v) to straighten dresser (v)			править spianare (v), raddrizzare (v) enderezar (v)
Richten (n) (Geraderichten) von Wellen straightening of shafts dressage (m) d'arbres			правка (f) валовъ raddrizzatura (f) di alberi enderezamiento (m) de árboles
Rollenpaar (n) pair of rolls paire (f) de rouleaux	a, b, c		пара (f) валковъ paio (m) *o* serie (f) di cilindri *o* di rulli par (m) de rollos *ó* cilindros

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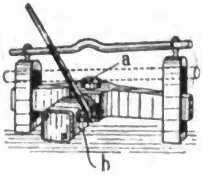
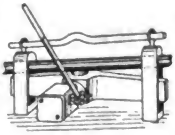
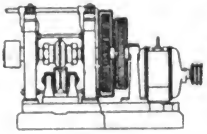
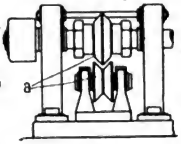
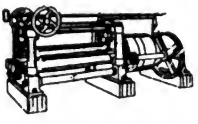
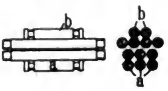
1	Wellenrichtmaschine (f) shaft straightening machine machine (f) à dresser les arbres		станокъ (m) для правки валовъ macchina (f) da raddrizzare alberi máquina (f) de enderezar árboles
2	Biegestempel (m) bending ram mandrin (m) pour couder les arbres, mouton (m) (hydraulique) de coudage	a	загибочный *или* сгибающій поршень (m) montone (m) *o* stantuffo (m) per curvare macho (m) de curvar
3	Handpreßpumpe (f) hand pressure pump pompe (f) hydraulique à main	b	ручной гидравлическій насосъ (m) pompa (f) premente a mano bomba (f) de presión á mano
4	Schienenrichtmaschine (f) rail straightening machine machine (f) à dresser les rails		станокъ (m) для правки рельсъ macchina (f) da raddrizzare le rotaie máquina (f) de enderezar railes
5	Winkeleisenrichtmaschine (f) angle iron straightening machine machine (f) à dresser les cornières		станокъ (m) для правки углового желѣза macchina (f) da raddrizzare i ferri d'angolo máquina (f) de enderezar escuadras
6	zweiteilige Richtrolle (f) straightening rolls in halves rouleau (m) de dressage en deux pièces		правильный валокъ (m), состоящій изъ двухъ частей rullo (m) *o* cilindro (m) per raddrizzare diviso in due pezzi rollo (m) ó cilindro (m) de enderezar de dos partes
7	Blechrichtmaschine (f), Blech[ent]spannmaschine (f) plate straightening machine *or* rolls machine (f) à dresser *ou* à planer les tôles		станокъ (m) для правки желѣзныхъ листовъ macchina (f) da spianare lamiere máquina (f) de enderezar chapas
8	Tragrolle (f) travelling roll rouleau-porteur (m), cylindre-porteur (m)		поддерживающій роликъ (m) rullo (m) di sostegno rollo (m) portador

a

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Stützrolle (f), Stützwalze (f)
supporting roll
rouleau (m) *ou* cylindre (m) d'appui

подпорный роликъ (m) *или* валикъ (m)
rullo (m) *o* cilindro (m) di contrasto *o* puntello
rollo (m) *ó* rodillo (m) de apoyo

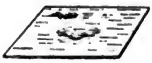
1

Buckel (m), Beule (f)
bump
bosse (f)

горбина (f); выгнутое мѣсто (n)
gobba (f), incurvatura (f)
abolladura (f)

2

Mulde (f)
hollow, dent
creux (m)



вогнутое мѣсто (n)
insenatura (f), conca (f)
hueco (m)

3

Krämp- und Kümpelmaschinen

Flanging Machines and Presses

Machines à border et à emboutir

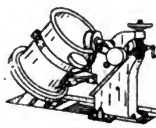
Станки для штамповки и отгибанія кромокъ

Macchine da bordare e da aggraffare

Máquinas de bordear y embutir

4

Krämpmaschine (f), Börde'maschine (f), [Siekenmaschine (f), Gesimswalzwerk (n)]
flanging machine
machine (f) à border



машина (f) для загибанія бортовъ; станокъ (m) для загибанія кромокъ; станокъ для отгиба бортовъ; станокъ для образованія фланцевъ
macchina (f) da bordare, bordatrice (f)
máquina (f) de bordear

5

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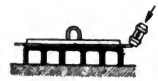
krämpen (v), bördeln (v)
to flange
border (v)



загнуть (загибать) кромку; отогнуть (отгибать) воротникъ; фланцевать
bordare (v), fare (v) il bordo
bordear(v), rebordear(v)

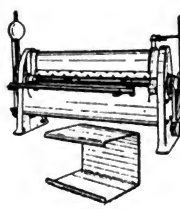
---

mittels Rollen krämpen (v)
to flange with rolls
border (v) au moyen de galets *ou* de roulettes

загибать кромку *или* фланцевать при помощи катковъ
bordare (v) a mezzo di rulli *o* dischi
bordear (v) con rodajas

7

Abbiegemaschine (f)
bending *or* flanging machine
machine (f) à plier



станокъ (m) для загибанія листовъ
macchina(f)da curvare *o* da piegare, piegatrice (f), curvatrice (f)
máquina (f) plegadora

8

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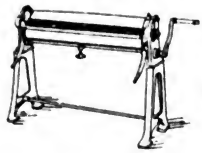
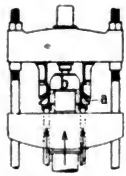
1 Umschlagmaschine (f)
cramp folding machine
machine (f) à plier



станокъ (m) для загибанія закруглённыхъ бортовъ
piegatrice (f), macchina (f) da curvare
máquina (f) de volver

---

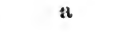
2 Kümpelmaschine (f), Kümpelpresse (f)
circular flanging press machine (f) à border circulaire, presse (f) (hydraulique) à border les fonds de cuves



прессъ (m) для загибанія кромокъ *или* бортовъ; прессъ для штамповки *или* для штампованія кромокъ; штамповальный прессъ; кюмпельпрессъ (m)
pressa (f) per bordare, bordatrice (f) a pressione
prensa (f) de bordear fondos

---

3 Formplatte (f)
female die, die plate
matrice (f), matrice (f) à border *ou* cuveler



неподвижная матрица (f) штамповальнаго пресса
matrice (f), femmina (f)
placa (f) de molde, matriz (f)

---

4 Kümpelstempel (m)
plunger die
plongeur (m) *ou* poinçon (m) emboutisseur

подвижная матрица (f) штамповальнаго пресса
punzone (m), maschio (m)
estampa (f) de embutir

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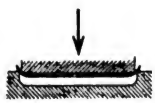
5 kümpeln (v)
to flange
emboutir (v)



загнуть (загибать) кромку; отогнуть (отгибать) воротникъ; фланцевать; штамповать
bordare (v), flangiare (v)
embutir (v), rebordear (v)

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6 Kümpelung (f)
circular flanging
emboutissage (m)

отштампованный предметъ (m); предметъ, обработанный подъ штамповальнымъ прессомъ
bordatura (f), flangiatura (f)
embutido (m) de una chapa

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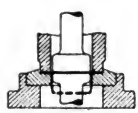
7 Kümpeln (n) dicker Eisenbleche
circular flanging of thick plates
emboutissage (m) de tôles épaisses



загибаніе (n) кромокъ у толстыхъ листовъ; штамповка (f) кромокъ у толстыхъ листовъ
bordatura (f) *o* flangiatura (f) di grosse lamiere
embutido (m) de chapas gruesas de hierro

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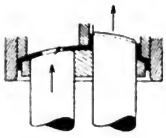
Kümpeln (n) des Randes von Löchern
lipping the rim of holes
rabattement (m) des bords de trous



загибаніе (n) кромокъ у отверстій; штамповка (f) кромокъ у отверстій
bordatura (f) *o* flangiatura (f) di fori
embutido (m) de los bordes de agujeros

1

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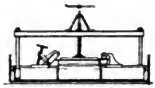
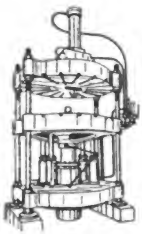
allmählich wirkende Kümpelmaschine (f)
gradually working flanging press
machine (f) à border progressivement



станокъ (m), постепенно загибающій кромки
pressa (f) a bordatura progressiva, bordatrice (f) a pressione progressiva
máquina (f) de embutir progresivamente

2

Krämp- und Kümpelmaschine (f)
flanging press
machine (f) *ou* presse (f) à emboutir



станокъ (m), для штамповки и отгибанія кромокъ
bordatrice (f) universale
prensa (f) de bordear y embutir

3

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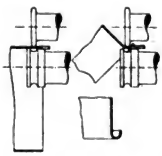
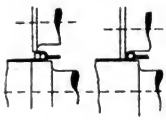
sieken (v)
to bead
border (v)



загибать борты съ проволокою
rivoltare (v) il bordo
rebordear (v)

4

Einlegen (n) eines Drahtes in die Sieke
laying a wire in the bead
insertion (f) d'un fil de fer dans le rebord



закладываніе (n) проволоки въ загибъ борта
inserzione (f) di un filo nel bordo rivoltato
colocación (f) de un alambre en el reborde

5

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falzen (v)
to fold
plier (v)

фальцевать; образовывать фалецъ *или* фальцъ
aggraffare (v), schiacchiare (v) le agraffe
plegar (v)

6

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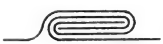
liegender Falz (m)
flat folded seam
pli (m) couché



горизонтальный фалецъ (m) *или* фальцъ (m)
aggraffatura (f) ribaltata
plegado (m) echado

7

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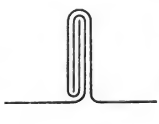
stehender Falz (m)
projecting folded seam
pli (m) droit



вертикальный фалецъ (m) *или* фальцъ (m)
aggraffatura (f) diritta
plegado (m) erguido

8

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IX.

Form- und Gießerei-maschinen

Sand Moulding and Foundry work Machines

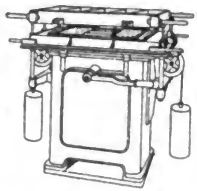
Machines à mouler (pour fonderies)

Формовочныя и литейныя машины

Macchine per formare e per fonderia

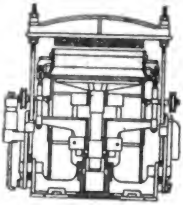
Máquinas de moldear para fundiciones

Formmaschine (f)
moulding machine
1 machine (f) à façonner les moules, machine (f) à mouler



формовочная машина (f)
macchina (f) per formare, formatrice (f)
máquina (f) de moldear

Druckwasserformmaschine (f), hydraulische Formmaschine (f)
2 hydraulic moulding machine
machine (f) à mouler hydraulique

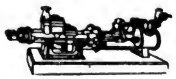


гидравлическая формовочная машина (f)
formatrice (f) o macchina (f) per formare idraulica
máquina (f) de moldear hidráulica

Druckwassersammler (m), Akkumulator (m)
3 hydraulic accumulator
accumulateur (m) hydraulique

аккумуляторъ (m); гидравлическій аккумуляторъ (m)
accumulatore (m) per pressione idraulica
acumulador (m) hidráulico

Dampfpreßpumpe (f)
steam pressure pump
4 pompe (f) de compression à vapeur



паровой гидравлическій насосъ (m)
pompa (f) premente a vapore
bomba (f) de presión á vapor

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Formverfahren (n)
moulding process
procédé (m) de moulage

способъ (m) или методъ (m) формовки
procedimento (m) della formatura, formatura (f), staffatura (f)
procedimiento (m) de moldear

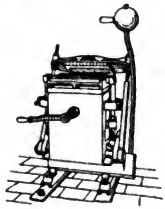
1

Handformerei (f)
hand moulding
moulage (m) à la main

ручная формовка (f); формовка въ ручную
formatura (f) a mano, staffatura (f) a mano
moldeado (m) á mano

2

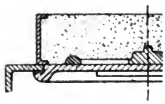
Maschinenformerei (f)
machine moulding
moulage (m) mécanique



машинная формовка (f)
formatura (f) *o* staffatura (f) meccanica
moldeado (m) mecánico *ó* á máquina

3

Modellplattenformerei (f)
pattern plate moulding
moulage (m) au gabarit *ou* à la planche



формовка (f) при помощи модельныхъ досокъ
formatura (f) *o* staffatura (f) a placca-modello
moldeado (m) con placas de modelos

4

---

formen (v)
to mould
mouler (v)

формовать
formare (v), staffare (v)
moldear (v)

5

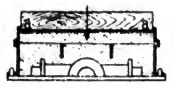
---

einformen (v)
to mould
mouler (v) dans . . . .

отформовать въ . . . .
formare (v) in . . . .
moldear (v) en . . . .

6

Sanddichten (n), Sandverdichtung (f), Verdichtung (f) des Sandes
compression *or* consolidation of the sand
tassement (m) du sable



уплотненіе (n) земли
compressione (f) della terra
apisonamiento (m) de la arena

7

Sandrücken (m)
face of the sand
face (f) supérieure du sable

a a

верхній добавочный слой (m) песку въ опокѣ
piano (m) *o* superficie (f) della sabbia
superficie (f) superior de la arena

8

---

einstampfen (v)
to ram
damer (v), fouler (v), tasser (v)

утрамбовывать
battere (v) *o* costipare (v) *o* comprimere (v) *o* pestare (v) la terra
apisonar (v)

9

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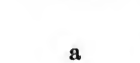
1
Aufstampfen (n) des Sandes
ramming of the sand damage (m) *ou* foulage (m) du sable

утрамбовка (f) песка
compressione (f) *o* calcatura (f) della terra
apisonamiento (m) de la arena sobre el molde

2
den Sand abgleichen (v) *oder* abrichten (v)
to part the sand
égaliser (v) le sable

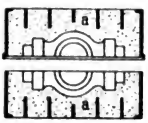
выравни-ть (-вать) песокъ
livellare (v) *o* spianare (v) la terra
igualar (v) la arena

3
Richtscheit (n)
parting strickle
règle (f) à égaliser



правило (n)
regolo (m) *o* legno (m) per livellare *o* per spianare
regla (f) de igualar

4
Formhälfte (f)
half of mould
demi-moule (m), moitié (f) du moule



половинка (f) опоки
mezzaforma (f), mezza-staffa (f)
mitad (f) del molde

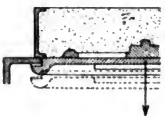
5
das Modell herausziehen (v)
to draw out the pattern
retirer (v) le modèle, démouler (v)

вынуть модель
ritirare (v) *o* levare (v) il modello
retirar (v) el modelo

6
Ausziehen (n) des Modells
drawing out of the pattern
enlèvement (m) du modèle, démoulage (m)

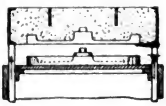
выниманіе (n) модели
sollevamento (m) *o* ritiro (m) del modello
retirada (f) del modelo

7
Abziehen (n) der Modellplatte [vom Formkasten]
withdrawal of the pattern plate from the mould box
enlèvement (m) de la plaque à modèle hors du châssis



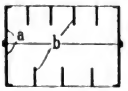
удаленіе (n) модельной доски [съ опоки]
estrazione (f) della placca-modello dalla forma *o* dalla staffa
retirada (f) de la placa de modelo de la caja del molde

8
Abheben (n) des Formkastens von der Modellplatte
withdrawal of the mould box from the pattern plate
enlèvement (m) du châssis de moulage de la plaque à modèle



удаленіе (n) опоки съ модельной доски
estrazione (f) della forma *o* della staffa dalla placca-modello
levantamiento (m) de la caja del molde de la placa de modelo

9
Formkasten (m)
moulding box, flask
châssis (m) *ou* forme (f) de moulage



опока (f)
staffa (f), forma (f)
caja (f) de moldes

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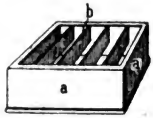
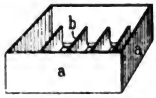
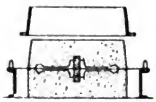
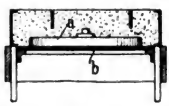
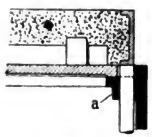
Oberkasten (m) top box châssis (m) supérieur, forme (f) supérieure		верхняя опока (f) staffa (f) superiore caja (f) superior	1
Unterkasten (m) bottom box châssis (m) inférieur, forme (f) inférieure		нижняя опока (f) staffa (f) inferiore caja (f) inferior	2
Kastenwand (f) wall *or* side of box paroi (f) de la forme *ou* du châssis	a	боковая стѣнка (f) опокъ parete (f) della staffa pared (f) de la caja	3
Sandträger (m), Schore (f) bar for retaining the sand, grid cloison (f) de retenue du sable	b	поперечное ребро (n) для удержанія формовочнаго песка nervatura (f) *o* traversa (f) della staffa tabique (m) de retención de la arena	4
Abschlagformkasten (m) loose box châssis (m) à retirer avant la coulée, châssis (m) démontable		разъёмная *или* откидная опока (f) falsa-staffa (f) caja (f) de molde desmontable	5
Modell (n) pattern modèle (m)	 a	модель (f) modello (m) modelo (m)	6
Modellplatte (f) pattern plate plaque (f) à modèle	b	модельная доска (f) placca-modello (f) placa (f) de modelo	7
Rahmen (m) frame cadre (m)	 a	рама (f) telaio (m) marco (m)	8
Füllrahmen (m), Aufsetzrahmen (m) filling frame cadre (m) de remplissage	 a	рама (f) для наполненія опоки пескомъ telaio (m) provvisorio, telaio (m) per caricare la terra marco (m) de llenar	9

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1 Sandtrichter (m)
funnel
trémie (f) à sable

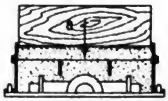
воронка (f) для насыпанія песка
tramoggia (f) della sabbia
embudo (m) para la arena

2 Verschlußschieber (m)
cut off plate
registre (m) [de fermeture]

a
b

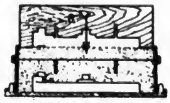
задвижка (f)
tiretto (m) di chiusura
placa (f) corrediza de cierre

3 Druckplatte (f)
presser plate
plaque (f) de [répartition de la] pression, contre-moule (m)



нажимная доска (f) или плита (f)
legnaccio (m)
placa (f) de presión

4 Druckklotz (m)
contour presser plate
bloc (m) de [répartition des] pression[s]

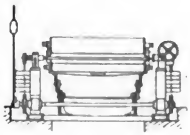


нажимная колодка (f)
legnaccio (m) sagomato
bloque (m) de madera para la presión

5 Formdeckel (m)
top part of mould box
châssis (m) de couverture *ou* couvercle (m) de moule

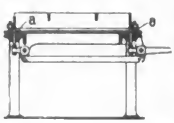
крышка (f) опоки
crociera (f)
cubierta (f) del molde

6 Abhebe[form]maschine (f), Maschine (f) mit Abhebewagen
moulding machine with lifting carriage
machine (f) a démouler, chariot (m) servant au démoulage



формовочная машина (f) со съёмной опокой
macchina (f) per formare con estrazione della forma a carrello
carro (m) de máquina para retirar moldes

7 Abhebevorrichtung (f)
lifting device
démouleuse (f), appareil (m) de démoulage, appareil (m) à enlever les châssis



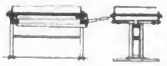
приспособленіе (n) для сниманія опоки
dispositivo (m) per l'estrazione della mezza-staffa
disposición (f) de levantar las cajas

8 Abhebestift (m)
guide pin
tige (f) à soulever les châssis, tige (f) de démouleuse

a

приподнимающій штифтъ (m) или стержень (m)
spina (f) di estrazione
espiga (f) de levantar las cajas

9 Abhebemaschine (f) für flache Gegenstände
lifting type machine for flat castings
machine (f) à démouler pour pièces plates



формовочная машина (f) со съёмной опокой для формованія плоскихъ предметовъ
macchina (f) per formare pezzi piatti
máquina (f) de retirar moldes para objetos planos

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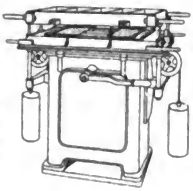
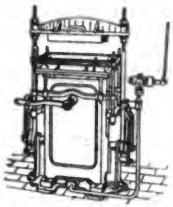
Handformmaschine (f) mit Stiftenabhebung
hand moulding machine with pin lifting arrangement
machine (f) pour le moulage à la main à tige de soulèvement *ou* de démoulage



ручная формовочная машина (f) *или* машина для ручной формовки съ подъёмомъ опоки при помощи штифтовъ
macchina (f) da formare a mano con sollevamento a spina della staffa *1*
máquina (f) de moldear á mano con elevación por espigas

Druckwasserformmaschine (f) *oder* hydraulische Formmaschine (f) mit Stiftenabhebung
hydraulic moulding machine with pin lifting arrangement
presse (f) hydraulique de moulage avec tiges de soulèvement *ou* de démoulage

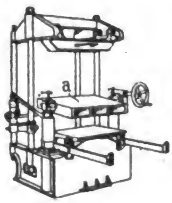


гидравлическая формовочная машина (f) съ подъёмомъ опоки при помощи штифтовъ
macchina (f) idraulica da formare con sollevamento a mano a mezzo spina della staffa *2*
máquina (f) de moldear hidráulica con elevación por espigas

Drehtischformmaschine (f)
moulding machine with rotary table
machine (f) à mouler avec plateau tournant

формовочная машина (f) съ поворотнымъ столомъ
macchina (f) da formare con piattaforma girevole *3*
máquina (f) de moldear con mesa giratoria

Abhebe[form]maschine (f) mit Wendeplatte, [Wendeplattenabhebeformmaschine (f)]
turnover type moulding machine
machine (f) à démouler avec plaque à modèle renversable



формовочная машина (f) со съёмной опокой и съ вращающейся *или* съ поворотной доской
macchina (f) da formare con piattaforma rovesciabile *4*
máquina (f) de moldear con placa de inversión

Wendeplatte (f), drehbare Modellplatte (f)
turnover top table
plaque (f) à modèle renversable

a

вращающаяся *или* поворотная модельная доска (f)
placca-modello (f) rovesciabile *5*
placa (f) de inversión, placa (f) de modelos reversible

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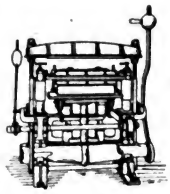
1

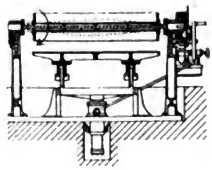
Handformmaschine (f) mit Wendeplatte *oder* drehbarer Modellplatte
hand moulding machine with turnover pattern plate
machine (f) à mouler à la main avec plaque à modèle renversable



ручная формовочная машина (f) съ вращающейся *или* съ поворотной модельной доской
macchina (f) da formare a mano con piattaforma rovesciabile [attorno a perno orizzontale]
máquina (f) de moldear á mano con placa de modelos reversible

2

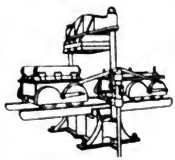
hydraulische Formmaschine (f) mit Wendeplatte, Wendeplattenabhebemaschine (f) mit Druckwasserpresse, Formmaschine (f) mit Wendeplatte und Druckwasseraushebung
hydraulic moulding machine with turnover table
machine (f) hydraulique à mouler avec plaque renversable à modèle



гидравлическая формовочная машина (f) со съёмной опокой и съ вращающейся *или* съ поворотной доской
macchina (f) idraulica per formare a mano con piattaforma rovesciabile [attorno a perno orizzontale]
máquina (f) de moldear hidráulica con placa de inversión, máquina (f) de moldear con placa reversible y levantamiento hidráulico

3

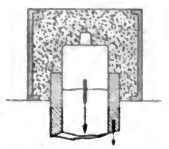
Doppelformmaschine (f)
moulding machine *or* press with two travelling pattern tables
machine (f) à mouler double effet



сдвоенная формовочная машина (f)
macchina (f) da formare doppia
máquina (f) de moldear de doble efecto

4

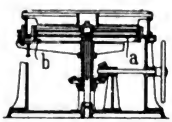
Durchziehen (n) [von Modellteilen]
pull through of pattern
moulage (m) par introduction et enlèvement du modèle *ou* par modèle rentrant



вытягиваніе (n) частей модели
estrazione (f) del modello su macchina a pettine
introducción (f) del modelo en la máquina de peine

5

Durchzug[form]maschine (f), Durchzieh[form]maschine (f)
stripping plate moulding machine
machine (f) à mouler à modèle rentrant *ou* à plateau-peigne



вытяжная формовочная машина (f)
macchina (f) da formare a pettine
máquina (f) de moldear de peine, máquina (f) de moldear de pasar el modelo de un lado á otro

6

Tischplatte (f)
table
table (f) de support des modèles

a

столъ (m)
portamodello (m) su macchina a pettine
placa (f) de mesa

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Abstreifplatte (f), Durchziehplatte (f), Durchzugplatte (f)
stripping plate
plaque (f) à traverser *ou* à mouler à traversière (pour corps creux)

a

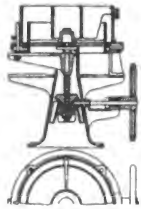
вытяжная плита (f)
pettine (m) 1
placa (f) de pasar

Durchzugring (m)
centreing frame *or* ring
couronne (f) à mouler centreuse

b

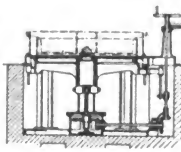
вытяжное кольцо (n)
portamodello (m)
corona (f) de moldear, corona (f) de pasar el modelo 2

Riemenscheibenformmaschine (f), Riemenrollenformmaschine (f), Durchziehmaschine (f) zum Einformen von Riemenrollen
pulley moulding machine
machine (f) pour moulage des poulies



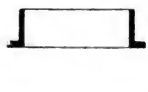
машина (f) для формовки ременныхъ шкивовъ; вытяжная формовочная машина для ременныхъ шкивовъ 3
macchina (f) per formare puleggie
máquina (f) de moldear poleas de transmisión

Riemenscheibenformmaschine (f) für große Durchmesser
machine for moulding large pulleys
machine (f) à mouler les poulies de grand diamètre



машина (f) для формовки ременныхъ шкивовъ большого діаметра; формовочная машина для ременныхъ шкивовъ большого діаметра 4
macchina (f) per formare puleggie di grande diametro
máquina (f) de moldear poleas de transmisión de grande diámetro

Kranzmodell (n)
rim pattern
modèle (m) à couronne



модель (f) обода
modello (m) di una corona 5
modelo (m) de una corona

Riemenscheibenmodellsatz (m)
set of pulley patterns
jeu (m) de modèles pour machines à mouler les poulies

наборъ (m) моделей для формовки ременныхъ шкивовъ
giuoco (m) di modelli per formare una puleggia 6
juego (m) de modelos para poleas de transmisión

Formkasten (m) der Riemenscheibenformmaschine
moulding box *or* flask for pulley moulding machine
châssis (m) de la machine à mouler les poulies

опока (f) машины для формовки ременныхъ шкивовъ
staffa (f) speciale per puleggie 7
caja (f) de moldes de la máquina de moldear poleas de transmisión

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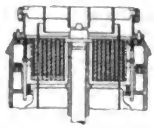
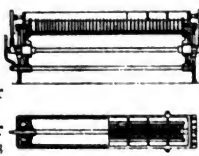
1 Teleskopriemenscheibenformmaschine (f)
telescopic moulding machine for pulleys
machine (f) télescopique à mouler les poulies



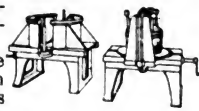
телескопическая машина (f) для формовки ременныхъ шкивовъ: телескопическая формовочная машина для ременныхъ шкивовъ
macchina (f) a telescopio per formare puleggie
máquina (f) telescópica de moldear poleas

2 Formmaschine (f) für Rippenrohre, Rippenrohrformmaschine (f)
moulding machine for ribbed pipes
machine (f) à mouler les tuyaux à ailettes



машина (f) для формовки ребристыхъ трубъ; формовочная машина для ребристыхъ трубъ
macchina (f) per formare radiatori
máquina (f) de moldear tubos de aletas

3 Handformmaschine (f) für bauchige Gegenstände
hand moulding machine for belled articles
machine (f) pour le moulage à la main *ou* le façonnage des moules de pièces à forme rebondie *ou* ventrue



машина (f) для ручной формовки выпуклыхъ предметовъ; ручная формовочная машина для выпуклыхъ предметовъ
macchina (f) per formare pentole
máquina (f) de moldear á mano para potes etc.

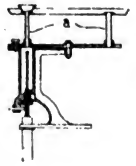
4 Drehtischformmaschine (f) mit Abhebe- und Durchziehvorrichtung
stripping plate moulding machine with turning table
machine (f) à mouler et à démouler avec passage du modèle à travers la table tournante, machine (f) à plateau-peigne tournant

формовочная машина (f) со съёмнымъ и съ вытяжнымъ приспособленіями
macchina (f) a pettine con piattaforma spostabile
máquina (f) de moldear con mesa giratoria con disposición de levantar y pasar el modelo

5 [Einzel-]Aushubtisch (m)
single lifting table
table (f) tournante à levée

отдѣльный столъ (m) для выниманія
piattaforma (f) spostabile
mesa (f) giratoria levadiza

6 Kernformmaschine (f)
core making machine
machine (f) à mouler les noyaux *ou* à noyauter



машина (f) для формовки шишекъ *или* сердечниковъ
macchina (f) per formare nocciuoli *o* anime
máquina (f) de moldear machos de fundición

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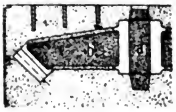
Kernbüchse (f)
core box
tuyau (m) à noyau

a

шишечная втулка (f) *или* трубка (f)
scatola (f) d'anima, cassa (f) d'anima, cassa (f) a nocciuolo
tubo (m) de machos

1

Lochkern (m)
[central] core
noyau (m) de corps creux



a

шишка (f) *или* сердечникъ (m) для полыхъ тѣлъ
nocciuolo (m) di un foro
macho (f) para cuerpo hueco

2

Kernstück (n)
core [for forming arms]
noyau (m)

b

шишка (f); сердечникъ (m)
nocciuolo (m), anima (f)
pieza (f) de macho

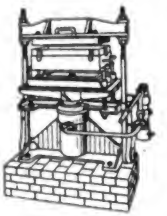
3

Kerndrehbank (f)
core turning lathe
tour (m) à façonner les noyaux *ou* à noyauter

станокъ (m) для обточки шишекъ *или* сердечниковъ
tornio (m) per tornire anime *o* nocciuoli
torno (m) para hacer machos

4

Formpresse (f), Preßformmaschine (f)
moulding press
machine (f) à mouler par pression, presse (f) à mouler



формовочный прессъ (m)
pressa (f) da formare
máquina (f) de moldear á presión, prensa (f) de moldear

5

Aufsatzrahmen (m)
filling frame
cadre (m) supérieur

a

рама (f) для наполненія опоки пескомъ
telaio (m) provvisorio a legnaccio
marco (m) superior

6

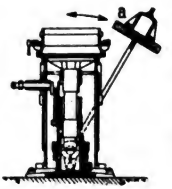
Gegen[druck]platte (f)
presser plate
plaque (f) supportant la pression, contremoule (m)

b

прижимная плита (f)
legnaccio (m)
placa (f) de contrapresión

7

ausschwenkbare Gegendruckplatte (f)
presser plate with throw over motion
plaque (f) de pression à bascule



a

откидная прижимная плита (f)
traversa (f) superiore ribaltabile
placa (f) de contrapresión de báscula

8

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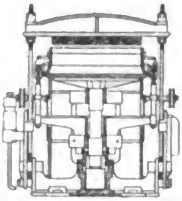
1 Druckwasserformpresse (f), hydraulische Formpresse (f)
hydraulic moulding press
presse (f) hydraulique à mouler



гидравлическій формовочный прессъ (m)
pressa (f) idraulica da formare
prensa (f) de moldear hidráulica

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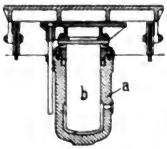
2 Hauptnonne (f)
cylinder for ramming piston
cylindre (m)



a

цилиндръ (m) пресса
cilindro (m) principale
cilindro (m)

---

3 Mönch (m)
ramming piston
piston (m) plongeur

b

ныряло (n); поршень (m) -скалка (f); плунжеръ (m)
stantuffo (m)
chupón (m)

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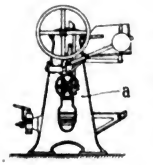
4 Bockformmaschine (f)
upright moulding machine
machine (f) à mouler à chevalet



машина (f) *или* станокъ (m) съ рамой въ видѣ ко́зелъ
macchina (f) da formare a cavalletto
máquina (f) de moldear sobre soporte de caballete

---

5 Bock (m)
standard, frame
chevalet (m)

a

ко́злы (m pl)
cavalletto (m), incastellatura (f) a cavalletto
caballete (m)

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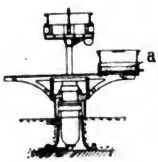
6 Formpresse (f) mit drehbarer Wendeplatte
moulding press with rotatable turnover plate
presse (f) à mouler avec plaque renversable



формовочный прессъ (m) съ поворотной и опрокидывающейся модельной плитой
pressa (f) da formare con piattaforma spostabile
prensa (f) de moldear con placa de inversión giratoria

---

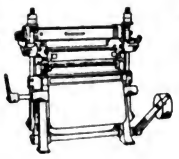
7 Formwagen (m)
mould trolley *or* carriage
chariot (m) de machine à mouler

a

формовочная телѣжка (f) *или* каретка (f)
carrello (m) porta-staffa
carro (m) porta-moldes

---

8 Doppelpresse (f), doppelte Formpresse (f), Formmaschine (f) für Doppelpressung
moulding machine with double ramming action
presse (f) à mouler à double effet



двойной формовочный прессъ (m)
pressa (f) da formare due faccie
prensa (f) de moldear de doble efecto, prensa (f) de moldear doble

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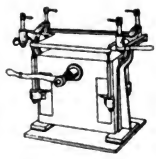
Ausrichtmaschine (f), Zentriermaschine (f)
centreing moulding machine
presse (f) de précision *ou* à centrer les châssis



машина (f) *или* станокъ (m) для точной установки модельной доски *или* плиты
macchina (f) per precisare la posizione delle staffe
prensa (f) de precisión

1

Ausrichtrahmen (m), Zentrierrahmen (m)
centreing frame
cadre (m) de presse de précision *ou* à centrer les châssis

рама (f) для точной установки модельной доски *или* плиты; центрирующая рама
telaio (m) per centrare le staffe
marco (m) de prensa de precisión

2

Herdringmaschine (f)
hearth ring machine
machine (f) à mouler les cercles de fourneau de cuisine

машина (f) для формовки конфорокъ; формовочная машина для конфорокъ
macchina (f) da formare anelli per cucine *o* per stufe
máquina (f) de moldear anillos de cocinas

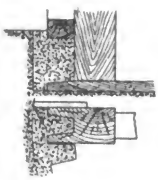
3

Zahnräderformmaschine (f), Räderformmaschine (f)
gear wheel moulding machine
machine (f) à mouler les roues dentées

машина (f) для формовки зубчатыхъ колёсъ; формовочная машина для зубчатыхъ колёсъ
macchina (f) per formare ingranaggi
máquina (f) de moldear engranajes

4

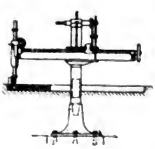
Formen (n) von Zahnrädern
moulding of gear wheels
moulage (m) de roues dentées



формовка (f) зубчатыхъ колёсъ; формовка шестеренъ
formatura (f) d'ingranaggi
moldeado (m) de engranajes

5

Zahnräderschablonier-maschine (f)
machine for moulding gear wheels by means of a tooth block
machine (f) à mouler les engrenages au moyen d'un fouloir porte-segment *ou* segment-fouloir *ou* trousse



машина (f) для формовки зубчатыхъ колёсъ по шаблону
macchina (f) a sagoma *od* a sciablona per formare ingranaggi
máquina (f) de moldear engranajes por aparato divisor y plantilla

6

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Schablonenhalter (m), Modellträger (m), Stößel (m)
1 tooth block holder
fouloir (m) porte-segment, segment-fouloir (m), trousse (f)

шаблонодержатель (m); поддержка (f) *или* держатель (m) шаблона
pilastro (m) *o* colonna (f) della sagoma *o* della sciablona
porta-plantilla (m), porta-modelo (m)

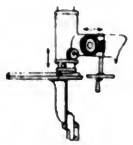
Zahnlückenmodell (n)
2 tooth block
modèle (m) de segment de denture

a

шаблонъ (m) впадинъ зубчатаго колеса
modello (m) del dente
modelo (m) de huecos de los dientes

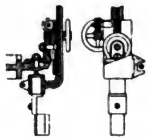
---

allseitig beweglicher (senkrecht und wagerecht verschiebbarer) Schablonenhalter (m) *oder* Modellträger (m)
3 pattern holder with horizontal and vertical movement
fouloir (m) porte-segment mobile horizontalement et verticalement



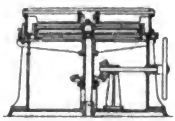
шаблонодержатель(m), свободно передвигающійся во всѣ стороны
portasagoma (m) (bandiera) mobile universale [verticale ed orizzontale]
porta-modelo (m) ó plantilla (m) móvil en todos sentidos

Formstößelführung (f)
4 pattern plate raising and lowering gear
guide (m) du porte-segment



направляющія (f pl) шаблонодержателя
guida (f) del portasagoma
conducción (f) *ó* guía (f) de porta-modelo

Zahnräderdurchzugformmaschine (f)
stripping plate gear wheel moulding machine
5 machine (f) à mouler les engrenages avec plateau-peigne, machine (f) à mouler les engrenages avec traversée [de la table par le modèle]



вытяжная формовочная машина (f) для зубчатыхъ колёсъ; вытяжная формовочная машина для шестеренъ
macchina (f) da formare ingranaggi a pettine *o* a settore
máquina (f) de moldear ruedas de engranajes con peine

Formen (n) der Zahnräder mit Durchzugringen
6 moulding of gear wheels with stripping plates
moulage (m) des engrenages avec modèle à segments traversant la table

формовка (f) зубчатыхъ колёсъ при помощи вытяжныхъ колецъ
formatura (f) a pettine *o* a settore degli ingranaggi
moldeado (m) de las ruedas dentadas con sectores que atraviesan la mesa

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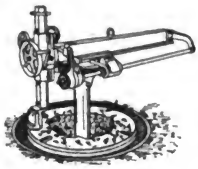
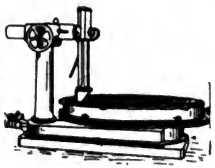
Säulenzahnräderformmaschine (f), Zahnräderformmaschine (f) auf einer Säule
gear wheel moulding machine mounted on a column
machine (f) à mouler les engrenages à colonne



формовочная машина (f) на колоннѣ для зубчатыхъ колёсъ; машина на колоннѣ для формовки шестеренъ
macchina (f) a colonna per formare ingranaggi
máquina (f) de moldear engranajes montada sobre una columna

1

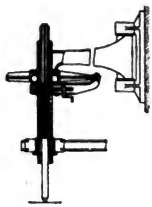
Tischzahnräderformmaschine (f)
gear wheel moulding machine with table
machine (f) à mouler les engrenages avec table



формовочная машина (f) со столомъ для зубчатыхъ колёсъ; машина со столомъ для формовки шестеренъ
macchina (f) a tavola per formare ingranaggi
máquina (f) de moldear engranajes de mesa

2

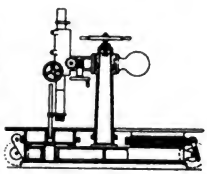
Wandformmaschine (f)
gear wheel moulding machine attaching to the wall
machine (f) à mouler murale *ou* fixée à une paroi



настѣнная формовочная машина (f)
macchina (f) da parete *o* murale per formare
máquina (f) de moldear mural

3

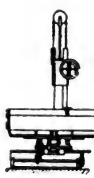
Zahnräderformmaschine (f) mit zwei Planscheiben
gear wheel moulding machine with two face plates
machine (f) à mouler les roues dentées avec deux plateaux



машина (f) съ двумя планшайбами для формовки зубчатыхъ колёсъ; формовочная машина съ двумя планшайбами для шестеренъ
macchina (f) a due piattaforme per formare ingranaggi
máquina (f) de moldear engranajes con dos platos

4

Formmaschine (f) für kleine Zahnräder
small gear wheel moulding machine
machine (f) à mouler les petites roues dentées



машина (f) для формовки шестеренъ; формовочная машина для шестеренъ
macchina (f) per formare piccoli ingranaggi
máquina (f) de moldear para engranajes pequeños

5

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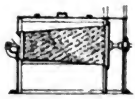
Formsandsiebmaschine (f), Siebwerk (n)
1 rotary sieve for moulding sand
machine (f) à tamiser (le sable de moulage)



машина (f) для просѣиванія формовочнаго песка
crivello (m) *o* staccio (m) per la terra di fonderia
máquina (f) de cribar *ó* tamizar arena de fundición

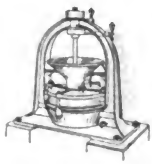
Schüttelsieb (n)
2 shaking sieve
tamis (m) oscillant

грохотъ (m) со встряской
crivello (m) *o* staccio (m) a scosse
tamiz (m) de trepidación

Sandsieb (n) mit Preßluftbetrieb
3 portable pneumatic screen shaker
machine (f) à tamiser pneumatique

сито (n) для просѣиванія песка, дѣйствующее сжатымъ воздухомъ
crivello (m) *o* staccio (m) ad aria compressa per sabbia
tamiz (f) de arena con trepidación por presión de aire

[Form-]Sandmischmaschine (f)
4 sand mixing machine
machine (f) à mélanger le sable de moulage



машина (f) для смѣшиванія [формовочнаго] песка
mescolatrice (f) per la terra di fonderia
máquina (f) de mezclar la arena de fundición

Schlag[stift]maschine (f) disintegrator
5 malaxeur (m)[-diviseur (m)], désintégrateur (m)

дезинтеграторъ (m)
disintegratore (m)
máquina (f) de mezclar arena con discos de espigas

Schlagstift (m)
6 beater bar
broche (f) à mélanger

ударникъ (m)
punta (f) *o* spina (f) disintegratrice
espiga (f) de golpear

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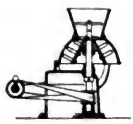
stehende Sandmischmaschine (f) mit Glockengehäuse
7 vertical cone mixer
malaxeur (m) de sable vertical avec capote (en fonte)



вертикальная машина (f) съ колоколообразнымъ кожухомъ для смѣшиванія песка
mescolatrice (f) a campana per la terra
máquina (f) de mezclar arena vertical con campana de cubierta

---

Kugelmühle (f)
8 ball mill
broyeur (m) à boulets

бочка (f) *или* барабанъ (m) съ ядрами; шаровая мельница (f)
molino (m) a palle
molino (m) de bolas

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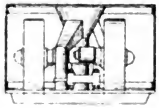
Kollergang (m), Rollgang (m), Rollmühle (f)
edge runner
broyeur (m) à meules



бѣгуны (m pl)
molassa (f)
molino (m) de dos piedras ó discos verticales 1

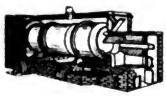
---

den Sand trocknen (v)
to dry the sand
sécher (v) le sable

сушить песокъ
seccare (v) la terra
secar (v) la arena 2

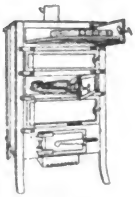
---

sich drehender *oder* rotierender Sandtrockenofen (m)
rotary sand dryer
séchoir (m) rotatif pour sable de moulage



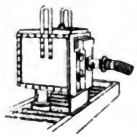
вращающаяся печь (f) для просушки песка
essiccatore (m) rotativo per la terra
secadero (m) rotatorio para arena 3

Kerntrockenofen (m)
core drying stove
séchoir (m) à noyaux



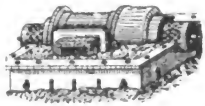
сушильная печь (f) для сердечниковъ *или* шишекъ
forno (m) per essiccare le anime
horno (m) de secar machos de fundición 4

Trockenofen (m) für Gußformen
mould drying oven
séchoir (m) à moules de fonderie



сушильная печь (f) для просушки литейныхъ формъ
forno (m) per essiccare le forme
horno (m) de secar para moldes de fundición 5

Gußstück (n)
casting
pièce (f) coulée



отливка (f)
pezzo (m) fuso
pieza (f) de fundición 6

Gußkruste (f)
skin of casting
croûte (f) de coulée

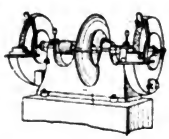
корка (f) отливки
crosta (f) di fusione
cascarilla (f) de fundición 7

---

den Guß putzen (v)
to clean the casting
nettoyer (v) les pièces de fonte, ébarber (v) les pièces de fonte, polir (v) et décaper (v) les pièces de fonte, dessabler (v)

чистить *или* отдѣлать отливку
sbavare (v) *o* pulire (v) la ghisa
limpiar (v) las piezas de fundición 8

Gußputzmaschine (f)
casting cleaning machine
machine (f) pour le nettoyage *ou* l'ébarbage des fontes



отдѣлочный станокъ (m) для отливокъ; машина (f) для чистки отливокъ
macchina (f) da sbavare la ghisa, pulitrice (f)
máquina (f) de limpiar las piezas de fundición 9

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1 Putztrommel (f), Scheuerfaß (n)
cleaning drum *or* cage, tumbling barrel, rumbler
tambour (m) *ou* tonneau (m) *ou* cage (f) à nettoyer les fontes

барабанъ (m) *или* бочка(f) для чистки отливокъ: отдѣлочный барабанъ; вращающійся барабанъ
macchina (f) *o* tamburo (m) per sbavatura, botte (f) rotante per sbavatura
tambor (m) de limpiar piezas de fundición

2 Sandstrahlgebläse (n)
sand blast apparatus
appareil (m) de nettoyage à jet de sable

аппаратъ (m) для чистки отливокъ посредствомъ песочной струи; песчано-струйный *или* песко-струйный аппаратъ
macchina (f) a getto di sabbia
aparato (m) de limpiar piezas de fundición por chorro de arena

3 Sandstrahldüse (f)
sand blast nozzle
tuyère (f) (de machine) à dessabler *ou* nettoyer les fontes, tuyère (f) (de machine) à jet de sable

сопло (n) песчано-струйнаго *или* песко-струйнаго аппарата
ugello (m) per getto di sabbia
tobera (f) del chorro de arena

4 Schlitzdüse (f)
broad flat nozzle
tuyère (f) à fente (de ventilateur à jet de sable)

a

сопло (n) съ узкой щелью
ugello (m) a fessura
tobera (f) de abertura ancha

5 Düsenbacke (f)
side of nozzle
joue (f) de la tuyère

щека (f) сопла
faccia (f) dell'ugello
cara (f) de tobera

6 Blasrohr (n)
blast pipe
tuyau (m) du jet de sable

мундштукъ (m) для обдуванія отливокъ
tubo (m) del getto
tubo (m) del chorro de arena

7 Sandförderer (m), Sandelevator (m)
sand conveyer, sand elevator
transporteur (m) de sable de moulage, élévateur (m) de sable de moulage

транспортёръ (m) для песка; элеваторъ (m) для песка
elevatore (m) della sabbia
elevador (m) de arena

8 Sandkasten (m)
sand box
caisse (f) à sable

песочница (f); ящикъ (m) *или* резервуаръ (m) для песка
cassa (f) della sabbia
caja (f) de arena

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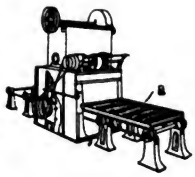
Sandstrahlputzmaschine (f) mit hin- und hergehendem Tisch
sand blast machine with travelling table
machine (f) à jet de sable avec table à mouvement alternatif



песко-струйная очистительная машина (f) *или* пескодувный аппаратъ (m) съ прямолинейно-возвратнымъ движеніемъ стола
ventilatore (m) *o* getto (m) a sabbia con tavola portagetti a movimento di va e vieni. *1*
máquina (f) de limpiar fundición por chorro de arena con mesa de va y viene

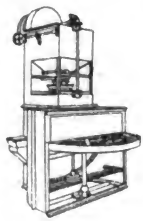
---

Rollbahntisch (m)
roller table
table (f) montée sur roues

a

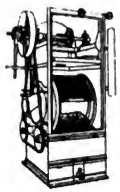
столъ (m) на роликахъ
tavola (f) a carrello, tavola (f) a rulli *2*
mesa (f) montada sobre rollos

Sandstrahlputzmaschine (f) mit Drehtisch
sand blast machine with rotating table
machine (f) à nettoyer les fontes, machine (f) à jet de sable avec table rotative



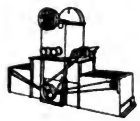
песко-струйная очистительная машина (f) *или* пескодувный аппаратъ (m) съ вращающимся столомъ
ventilatore (m) *o* getto (m) di sabbia con tavola a giostra *o* con tavola rotante *3*
máquina (f) de limpiar fundición con mesa giratoria

Sandstrahlputzmaschine (f) mit umlaufender Trommel
sand blast machine with revolving drum
machine (f) à nettoyer les fontes *ou* à jet de sable à tambour rotatif



песко-струйная очистительная машина (f) *или* пескодувный аппаратъ (m) съ ротаціоннымъ барабаномъ
ventilatore (m) *o* getto (m) di sabbia con tamburo *4*
máquina (f) de chorro de arena con tambor rotatorio

Sandstrahlputzmaschine (f) mit endlosem Förderband
sand blast machine with endless feed belt
machine (f) à jet de sable avec ruban transporteur sans fin



песко-струйная очистительная машина (f) *или* пескодувный аппаратъ (m) съ транспортеромъ въ видѣ безконечной ленты
ventilatore (m) *o* getto (m) di sabbia a nastro continuo *o* a nastro senza fine *5*
máquina (f) de chorro de arena con cinta transportadora

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1 Freistrahlgebläse (n)
free jet blast
appareil (m) à nettoyer les fontes à jet libre

аппаратъ (m) для очистки отливокъ свободной песочной струёй
ventilatore (m) *o* getto (m) di sabbia libero
aparato (m) de limpiar piezas de fundición de chorro de arena libre

2 Strahlrohr (n) aus Hartgummi
blast pipe nozzle of ebonite
tuyau (m) de jet de sable en caoutchouc durci

a

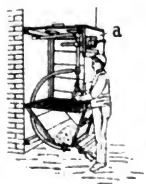
стволъ (m) изъ твердаго каучука для направленія струи
tubo (m) di gomma indurita per getto di sabbia
tubo (m) de caucho endurecido

3 Schlauch (m)
flexible pipe
tuyau (m) flexible

b

гибкій рукавъ (m) шлангъ (m)
tubo (m) flessibile
tubo (m) flexible, manguera (f)

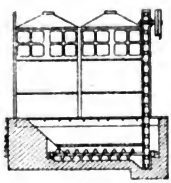
4 Blashaus (n)
sand blast room
cabine (f) de l'appareil à projection de sable



a

будка (f) для чистки отливокъ посредствомъ свободной песочной струи
cabina (f) del getto di sabbia
caseta (f) de limpieza por chorro libre de arena

5 Putzhaus (n)
cleaning *or* fettling shop
local (m) pour le nettoyage à jet de sable

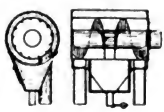


обрубная (f)
camera (f) di ripulitura
sitio (m) para la limpieza por chorro libre de arena

6 Staub[schutz]helm (m)
dust helmet
casque (m) de protection contre la poussière

шлемъ (m), предохраняющій отъ пыли
maschera (f) di protezione della polvere, maschera (f) a filtro
casco (m) con antifaz-protector contra el polvo

7 Staubsammler (m)
dust collector
collecteur (m) de poussière



пылесобиратель (m)
collettore (m) di polvere
recogedor (m) de polvo

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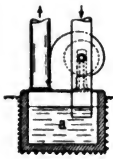
Schlauchfilter (n)
fine sand filter
tuyau (m) *ou* tube (m) de filtration

трубчатый фильтръ (m); фильтрующій рукавъ (m)
tubo (m) filtrante, filtro (m) a tubo *1*
filtro (m) de tubo

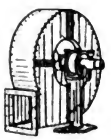


Wassergrube (f)
water tank
bassin (m) de dépôt des poussières

бассейнъ (m) съ водой
fossa (f) d'acqua
foso (m) de agua para reloger el polvo *2*

Entstaubung (f)
dust removal
enlèvement (m) *ou* aspiration (f) des poussières

отводъ (m) *или* удаленіе (n) пыли
aspirazione (f) della polvere *3*
limpieza (f) del polvo por aspiración



Kreiselentstauber (m), Zentrifugalexhaustor (m)
centrifugal dust exhausting fan
aspirateur (m) centrifuge des poussières

центробѣжный пылесосъ (m); отсасывающій вентиляторъ (m); центробѣжный эксгаусторъ (m) *4*
aspiratore (m) centrifugo *od* a palette
aspirador (m) *ó* exhaustor (m) centrifugo

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X.

Sägemaschinen
Sawing Machines
Scies

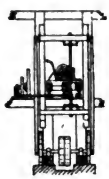
Пильные станки
Seghe
Máquinas de serrar

1 Holzbearbeitungsmaschine (f)
wood working machine
machine (f) à bois

станокъ (m) для обработки дерева; деревообдѣлочный станокъ
macchina (f) per la lavorazione del legno
máquina (f) de trabajar la madera

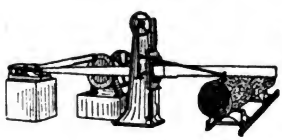
2 Holzsäge (f)
wood saw
scie (f) à bois

пила (f) для рѣзки дерева
sega (f) per il legno
sierra (f) para madera



3 Langsäge (f)
ripping saw, saw for longitudinal cutting
scie (f) en long

продольная пила (f)
sega (f) per segare in lungo, sega (f) alternativa
sierra (f) de serrar á lo largo



4 Quersäge (f) (reciprocating) cross cutting saw
scie (f) à tronçonner

поперечная пила (f)
sega (f) per tagli trasversali, sega (f) per segare di traverso, sega (f) per segare trasversalmente
sierra (f) de tronzar

5 Rahmensägemaschine (f)
frame sawing machine
scie (f) alternative à cadre

лѣсопильная рама (f); рамная пила (f)
sega (f) intelaiata, sega (f) a telaio
sierra (f) de bastidor cuadrado

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Gattersägen | **Frame Saws** | **Scies alternatives**

Лѣсопильныя рамы | **Seghe alternative multiple** | **Sierras alternativas**

1

Vertikalgatter (n), senkrechtes *oder* stehendes Gatter (n)
vertical saw frame
scie (f) alternative verticale à cadre

вертикальная лѣсопильная рама (f); вертикальный пильный станокъ (m)
sega (f) alternativa verticale
sierra (f) de láminas verticales de movimiento alternativo, sierra (f) vertical alternativa

2

Bügelgatter (n), bügelförmiges Gatter (n)
bow saw frame
scie (f) à archet

хомутообразный поставъ (m)
sega (f) alternativa con telaio in forma di C *od* aperto
sierra (f) alternativa de bastidor de arco

3

Seitengatter (n), Endgatter (n), Saumgatter (n)
side blade saw frame
scie (f) verticale alternative *ou* à cadre à une lame sur le côté

боковой поставъ (m)
sega (f) a telaio doppio a lama laterale
sierra (f) alternativa de láminas laterales, sierra (f) alternativa para recortar

4

Mittelgatter (n), Blockgatter (n)
centre blade saw frame
scie (f) verticale alternative *ou* à cadre avec lame au milieu du châssis

серединный поставъ (m)
sega (f) a telaio a lama centrale
sierra (f) alternativa de bastidor cerrado y láminas centrales

5

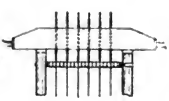
Doppelgatter (n), [Saumgatter (n)]
double blade saw frame
scie (f) verticale alternative *ou* à cadre à deux lames

поставъ (m) для двухъ пилъ
sega (f) alternativa a due lame, sega (f) a telaio a due lame
sierra (f) alternativa doble (para escuadrar troncos)

Bundgatter (n), Vollgatter (n)
multiple blade saw frame
scie (f) verticale alternative *ou* à cadre à plusieurs lames

поставъ (m) для нѣсколькихъ пилъ
sega (f) a telaio a lame multiple, sega (f) alternativa multipla
sierra (f) alternativa de bastidor para láminas múltiples

7



Bindung (f)
fixing of saws
attache (f) des lames (à la traverse)

поперечное укрѣпленіе (n) пилъ въ рамѣ
attacco (m) *o* fissaggio (m) delle lame
unión (f) de las láminas (á la traviesa)

8

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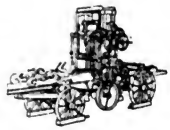
fahrbares Vollgatter (n)
portable log frame
1 scie (f) verticale alternative à plusieurs lames sur chariot



передвижная лѣсопильная рама (f); передвижной пильный станокъ (m)
sega (f) alternativa verticale trasportabile
sierra (f) alternativa portátil [montada sobre carro]

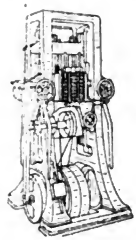
Doppelbundgatter (n)
double log (deal) frame
2 scie (f) verticale alternative double (à plusieurs lames)

двойная лѣсопильная рама (f); двойной пильный станокъ (m)
sega (f) alternativa verticale doppia
sierra (f) alternativa doble para láminas múltiples

Spaltgatter (n), Trenngatter (n)
3 deal frame, gang saw
scie (f) verticale alternative à refendre

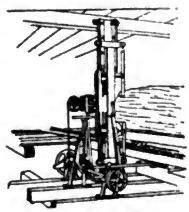
разрѣзная лѣсопильная рама (f); распускной пильный станокъ (m)
sega (f) alternativa verticale per rifendere *o* per tavole
sierra (f) vertical alternativa para serrar tablones

Doppelspaltgatter (n), Doppeltrenngatter (n), Doppelpfostengatter (n), doppeltes Spaltgatter (n)
4 double *or* compound deal frame
scie (f) verticale alternative double à refendre



двойная разрѣзная лѣсопильная рама (f); двойной распускной пильный станокъ (m)
sega (f) alternativa verticale doppia per rifendere *o* per tavole
sierra (f) vertical alternativa doble para serrar tablones

Schwartengatter (n)
side log frame for squaring logs
5 scie (f) verticale alternative à équarrir les grumes



разрѣзная лѣсопильная рама (f) для горбылей; распускной лѣсопильный станокъ (m) для горбылей
sega (f) alternativa verticale per squadrare tronchi
sierra (f) alternativa para escuadrar troncos

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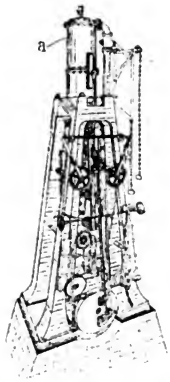
Spannwerkvollgatter (n), Vollgatter (n) mit Spannwerk, Spanngatter (n)
log frame with tension apparatus
scie (f) verticale alternative avec appareil amortisseur



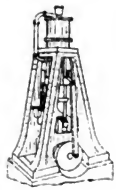
лѣсопильная рама (f) *или* пильный станокъ (m) съ компрессіоннымъ приспособленіемъ *или* съ компрессіоннымъ уравнителемъ
sega (f) alternativa verticale con ammortizzatore degli urti
sierra (f) vertical alternativa con amortiguador

Spannwerk (n)
tension apparatus
amortisseur (m)

a

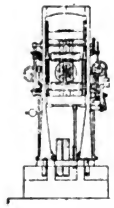
компрессіонное приспособленіе (n); компрессіонный уравнитель (m)
ammortizzatore (m) degli urti
disposición (f) de amortiguar

Spannwerkspaltgatter (n), Spannwerktrenngatter (n)
deal frame with tension apparatus
scie (f) verticale alternative avec appareil amortisseur



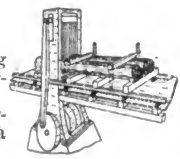
разрѣзная лѣсопильная рама (f) съ компрессіоннымъ приспособленіемъ; распускной пильный станокъ (m) съ компрессіоннымъ приспособленіемъ
sega (f) alternativa verticale per tavole con ammortizzatore degli urti
sierra (f) vertical alternativa para serrar tabla con amortiguador

Walzengatter (n), Gatter (n) mit Walzenvorschub
vertical timber *or* log frame with roller feed
scie (f) verticale alternative avec avance par cylindres



лѣсопильная рама (f) *или* пильный станокъ (m) съ вальцевой подачей
sega (f) alternativa verticale con avanzamento a rulli
sierra (f) vertical alternativa con avance automático por cilindros

Schlittengatter (n), Gatter (n) mit Schlittenvorschub
vertical timber *or* log frame with rack carriage feed
scie (f) verticale alternative avec chariot à crémaillère



лѣсопильная рама (f) *или* пильный станокъ (m) съ подвижной платформой
sega (f) alternativa verticale con tavola scorrevole
sierra (f) vertical alternativa con avance por carro y cremallera

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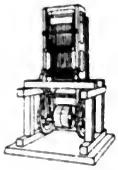
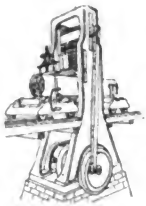
Hochgatter (n)
log *or* deal frame for
1 deep cutting
scie (f) verticale alternative à longue course

двухэтажная лѣсопильная рама (f); двухэтажный пильный станокъ (m)
sega (f) alternativa a corsa lunga
sierra (f) vertical alternativa de bastidor alto



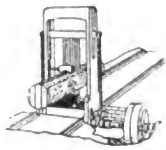
Hängegatter (n)
central driven log frame
2 scie (f) verticale alternative suspendue

лѣсопильная рама (f), подвѣшенная на опорахъ; пильный станокъ (m), подвѣшенный на опорахъ
sega (f) alternativa verticale sospesa
sierra (f) vertical alternativa suspendida



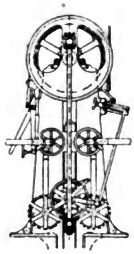
Gatter (n) mit Unterantrieb *oder* mit unterem Antrieb
vertical log frame with
3 driving gear underneath
scie (f) verticale alternative à commande inférieure

лѣсопильная рама (f) *или* пильный станокъ (m) съ нижнимъ приводомъ
sega (f) alternativa verticale a più lame con comando inferiore *o* comandata dal basso
sierra (f) vertical alternativa de movimiento de impulso en la parte inferior



Gatter (n) mit Seitenantrieb *oder* mit seitlichem Antrieb
vertical log frame with
4 side driving gear
scie (f) verticale alternative à commande latérale

лѣсопильная рама (f) *или* пильный станокъ (m) съ боковымъ приводомъ
sega (f) alternativa verticale a più lame con comando laterale *o* comandata lateralmente
sierra (f) vertical alternativa de impulso lateral



Gatter (n) mit Oberantrieb *oder* mit oberem Antrieb
top *or* overhead driven
5 vertical log frame
scie (f) verticale alternative à commande supérieure

лѣсопильная рама (f) *или* пильный станокъ (m) съ верхнимъ приводомъ
sega (f) alternativa verticale a più lame a comando superiore *o* comandata superiormente
sierra (f) vertical alternativa de impulso en la parte superior

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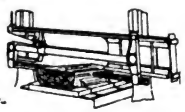
Feinsäge (f)
nne saw, veneering saw
scie (f) pour feuilles de placage

фанерная пильная рама (f); фанерный пильный станокъ (m)
sega (f) per lavori leggieri 1
sierra (f) para cortes finos

Horizontalgatter (n), wag[e]rechtes *oder* liegendes Gatter (n), horizontale *oder* liegende Blocksäge (f)
horizontal frame with single bladed saw
scie (f) horizontale alternative (à une lame)

горизонтальная лѣсопильная рама (f); горизонтальный пильный станокъ (m)
sega (f) alternativa orizzontale 2
sierra (f) alternativa horizontal [de una lámina para troncos]

Horizontalgatter (n) mit mehreren Sägen
horizontal log frame with gang of saw blades, horizontal gang saw
scie (f) horizontale alternative à plusieurs lames



горизонтальная лѣсопильная рама (f) *или* горизонтальный пильный станокъ (m) съ нѣсколькими пилами
sega (f) alternativa orizzontale multipla *od* a più lame 3
sierra (f) horizontal alternativa para hojas múltiples

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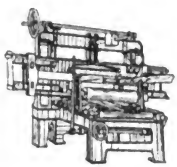
horizontales *oder* liegendes Spaltgatter (n) *oder* Trenngatter (n)
horizontal deal frame
scie (f) horizontale alternative à refendre

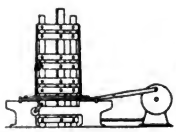


горизонтальная разрѣзная лѣсопильная рама (f); горизонтальный распускной пильный станокъ (m)
sega (f) alternativa orizzontale per rifendere *o* per tavole 4
sierra (f) alternativa horizontal para serrar tablas

Gatterquersäge (f)
cross cut frame saw
scie (f) horizontale alternative à tronçonner

лѣсопильная рама (f) *или* пильный станокъ (m) для поперечной распиловки
sega (f) a telaio per tagli trasversali 5
sierra (f) alternativa para tronzar

Furniersäge (f)
veneer saw
scie (f) à placage



фанерный станокъ (m); фанерная пила (f)
sega (f) da ebanista per impellicciature 6
sierra (f) para sacar chapas

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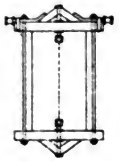
1 Gatterrahmen (m), Rahmen (m), Gatter (n), Sägerahmen (m)
saw frame
châssis (m), cadre (m) (de scie à lames)



рама (f) пильнаго станка
telaio (m) della sega alternativa
cuadro (m) ó bastidor (m) de sierra alternativa

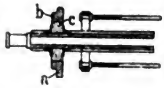
2 lichte Rahmenweite (f)
inside width of frame
largeur (f) intérieure du châssis

просвѣтъ (m) рамы
larghezza (f) utile o luce (f) del telaio
luz (f) entre bastidores, admisión (f) interior

3 hölzernes Sägengestell (n)
wooden saw frame
bâti (m) de scie en bois

деревянная рама (f) пильнаго станка
telaio (m) od armatura (f) della sega in legno
bastidor (m) de sierra alternativa hecho de madera

4 Führung (f) des Gatterrahmens, Gatterführung (f)
saw frame guide
guide (m) du châssis



направляющія (f pl) рамы пильнаго станка
guida (f) del telaio
guia (f) del bastidor porta-sierras

5 Gleitbahn (f)
slide bar
glissière (f)

a

направляющая (f); параллель (m)
slitte (f pl)
plano (m) de deslizamiento

6 Laufschiene (f) mit Schweinsrückenführung
slide bar with hollowed face
glissière (f) concave

b

направляющая (f) или параллель (f) треугольнаго сѣченія
slitta (f) a guide convesse od a guide trapezie
rail (m) de deslizamiento de sección bombeada ó lomo bombeado

7 Gleitklotz (m)
slide block
bloc (m) de glissière

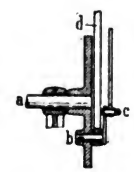
c

ползунъ (m)
corsoio (m)
taco (m) de deslizamiento

8 Pockholzklotz (m)
guaiac wood *or* lignum vitae block
bloc (m) en bois de gaïac

бакаутовый ползунъ (m)
ceppo (m) di legno duro, ceppo (m) di legno di guaiaco
taco (m) de guayaco

9 Gatterwelle (f)
axle of frame cross head
arbre (m) de commande du châssis



валъ (m) лѣсопильной рамы или пильнаго станка
albero (m) di comando del telaio
árbol (m) motor de la sierra alternativa

a

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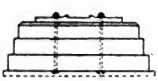
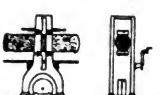
Gatterkurbel (f) driving crank manivelle (f) de commande du châssis	b, c		кривошипъ (m) лѣсопильной рамы *или* пильнаго станка manovella (f) di comando del telaio manivela (f) de la sierra alternativa
Hauptkurbel (f) main crank manivelle (f) principale	b		главный кривошипъ (m) manovella (f) principale, manovella (f) manivela (f) principal
Gegenkurbel (f) cross *or* feed motion crank contre-manivelle (f)	c		обратный кривошипъ (m); контръ-кривошипъ (m) contromanovella (f) contra-manivela (f)
Gatterstelze (f), Lenkerstange (f) connecting rod of frame bielle (f) du châssis	d		шатунъ (m) *или* дышло (n) лѣсопильной рамы; шатунъ пильнаго станка biella (f) di comando del telaio biela (f) motriz
Treibriemen (m) driving belt courroie (f) de commande			приводный ремень (m) cinghia (f) motrice correa (f) motriz
Gattergewicht (n) weight of frame poids (m) du châssis			вѣсъ (m) пильной рамы; вѣсъ рамы пильнаго станка peso (m) del quadro *o* del telaio peso (m) del cuadro *ó* marco porta-sierras
Gatterfundament (n) frame foundation fondation (f) de la scie alternative			фундаментъ (m) рамы fondazione (f) *o* zoccolo (m) della sega alternativa base (f) *ó* zócalo (m) de sierra alternativa
Gatterständer (m) frame standard montant (m) de la scie alternative			станина (f) рамы пильнаго станка montante (m) della sega alternativa, verticale bastidor (m) de sierra alternativa
Gattersäule (f) column of log frame (for sliding) colonne (f) *ou* montant (m) de scie alternative (à glissières)			колонка (f) для направленія пильной рамы; колонка для направленія рамы пильнаго станка montante (m) *o* colonna (f) della sega alternativa columna (f) de sierra alternativa (de correderas)

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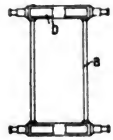
1 Gatterstiel (m), Gatterschenkel (m), Gatterstab (m), Gatterrahmenrohr (n)
frame side bar
barre (f) latérale de scie alternative



a

продольный стержень (m) *или* стойка (f) рамы пильнаго станка
tirante (m) del telaio
barra (f) lateral *ó* de unión de bastidor porta-sierras

2 Gatterriegel (m), Querriegel (m), Gatterrahmenplatte (f)
frame cross bar *or* beam
traverse (f) du châssis

b

поперечина (f) рамы пильнаго станка
traversa (f) del telaio
traviesa (f) del bastidor porta-sierras

3 Einspannung (f) *oder* Befestigung (f) des Sägeblatts
fixing of saw blade
fixation (f) *ou* serrage (m) de la lame

укрѣпленіе (n) пильнаго полотенца *или* полотна
fissaggio (m) delle lame, montatura (f) delle lame
sujeción (f) de la hoja de serrar

4 das Sägeblatt nach dem Lot einhängen (v)
to fix the saw blade vertically
fixer (v) la lame verticalement

поставить пильное полотенце отвѣсно
fissare (v) *o* montare (v) le lame di sega
fijar (v) la posición vertical de la hoja de sierra por medio de la plomada

5 Einhängen (n)
placing the saw blade in position
montage (m) des lames

постановка (f) [пильныхъ полотонцевъ]
montaggio (m), fissaggio (m), calettamento (m)
colocación (f) de las hojas *ó* láminas de serrar

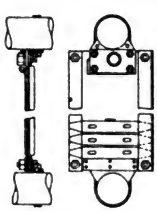
6 Sägensteller (m)
sawyer
[ouvrier (m)] poseur (m) de lames de scie

пилоставъ (m)
montatore (m) delle seghe
obrero (m) encargado de poner las láminas de sierra

7 Register (n)
spacing bar
registre (m) pour maintenir l'intervalle entre les lames

установочное приспособленіе (n)
registro (m)
registro (m) para la colocación de las hojas

8 Absteifung (f) der Sägeblätter
stiffening of the saw blades
raidissement (m) des lames



боковое подпираніе (n) пильныхъ полотенцевъ
cuneo (m) per tener al posto le lame delle seghe *o* per fissare le lame delle seghe
atiesamiento (m) de las hojas de serrar

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absteifen (v)
to stiffen
raidir (v)

подпирать сбоку
tener (v) al posto, fissare (v) 1
atiesar (v)

Spannbügel (m)
clip
étrier (m) de tension

a

зажимная скоба (f); зажимный хомутъ (m)
staffa (f), staffa (f) di collegamento 2
estribo (m) de sujeción

Sägeblatteinlage (f), Schablone (f)
saw blade gauge
calibre (m), jauge (f)

калибръ (m); прокладка (f); шашка (f)
calibro (m), sagoma (f), garbo (m) 3
plantilla (f), calibre (m)

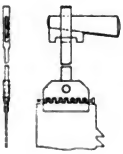
Holzlehre (f), Lehrklotz (m)
wood gauge block
calibre (m) *ou* jauge (f) en bois

деревянный калибръ (m); деревянная прокладка (f) *или* шашка (f) 4
calibro (m) di legno
calibre (m) de madera

Stahllehre (f)
steel gauge
calibre (m) *ou* jauge (f) en acier

стальной калибръ (m); стальная прокладка (f) *или* шашка (f) 5
calibro (m) di acciaio
calibre (m) de acero

Sägeangel (f), Angel (f), Säge[n]gehänge (n)
saw buckle
[chape (f) de] suspension (f) de la scie

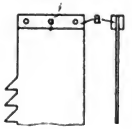


приспособленіе (n) для закрѣпленія пилъ; ручка (f)
attacco (m) *o* morsetto (m) *od* occhio (m) della sega 6
pieza (f) porta-sierra, mecanismo (m) porta-sierras

Oberangel (f)
top buckle
[chape (f) de] suspension (f) supérieure

верхнее приспособленіе (n) для закрѣпленія пилъ; верхняя ручка (f)
attacco (m) *o* morsetto (m) *od* occhio (m) superiore 7
pieza (f) porta-sierra superior

Falzleiste (f)
cross strip for attaching to buckle
agrafe (f)



a

скошенная планка (f)
rinforzo (m), listello (m) di rinforzo 8
listón (m) de escuadra

Unterangel (f)
bottom buckle
[chape (f) de] suspension (f) inférieure

нижнее приспособленіе (n) для закрѣпленія пилъ; нижняя ручка (f)
attacco (m) *o* morsetto (m) *od* occhio (m) inferiore 9
pieza (f) porta-sierra inferior

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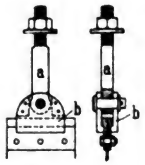
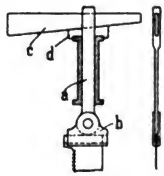
1	einfache quadratische Angel (f) plain square buckle chape (f) simple carrée		обыкновенный квадратный натяжной стержень (m); обыкновенная ручка (f) attacco (m) *o* morsetto (m) semplice quadrangolare porta-sierra (m) simple cuadrado
		a	
2	Sägekappe (f) saw cap agrafe (f)	b	коробка (f) пилы tirante (m) *o* agraffa (f) del morsetto *o* della sega sombrero-grapa (m) de la hoja de serrar
3	Keilangel (f) key *or* wedge buckle chape (f) à clavette		ручка (f) *или* натяжной стержень (m) съ клиньями attacco (m) *o* morsetto (m) a chiavetta e controchiavetta porta-sierra (m) de cuña
		a	
4	Angelbacke (f), Einschiebebacke (f) cap cheek joue (f) de chape	b	коробка (f) *или* захватка (f) для укрѣпленія пилъ; коробка для вставки пильныхъ полотенцевъ guancia (f) del morsetto *o* dell'attacco mordaza (f) del porta-sierra
5	Angelkeil (m) cotter, wedge clavette (f)	c	клинъ (m) ручки *или* натяжного стержня chiavetta (f) cuña (f) del porta-sierra
6	Blattkeil (m) flat cotter clavette (f) plate	c	плоскій клинъ (m) chiavetta (f) piatta cuña (f) plana
7	Doppelkeil (m) gib and cotter clavette (f) double	c, d	двойной клинъ (m) chiavetta (f) doppia cuña (f) doble
8	Beilegerahmen (m) supplementary frame châssis (m) auxiliaire		вспомогательная рама (f) telaio (m) ausiliare cuadro (m) auxiliar
9	Keilaufsetzer (m) gib contre-clavette (f)		нажимная чека (f) controchiavetta (f) contra-cuña (f)
10	[Sägen-]Keilhammer (m) hammer for driving saw keys marteau (m) à chasser les clavettes		молотокъ (m) для вгонки клиньевъ martello (m) per le chiavette mazo (m) para quitar las cuñas

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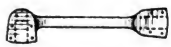
Exzenter[säge]angel (f)
saw buckle with eccentric adjustment
chape (f) excentrique

приспособленіе (n) для закрѣпленія пилъ эксцентрикомъ
attacco (m) *o* morsetto (m) ad eccentrico
porta-sierra (m) excéntrico

1

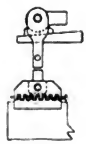
Anzugschlüssel (m), Exzenterangelschlüssel (m), Schlüssel (m) zur Exzenterangel
key for tightening eccentrics
clef (f) à serrer les excentriques



натяжной ключъ (m) для эксцентриковаго укрѣпленія
chiave (f) di serraggio, chiave (f) per chiudere il morsetto *o* l'attacco ad eccentrico
llave (f) para el porta-sierra excéntrico

2

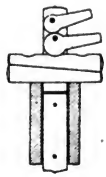
Sägeangel (f) mit Hebelspannung
buckle with lever tension
chape (f) à tension par levier



приспособленіе (n) для закрѣпленія пилы натяжнымъ рычагомъ
attacco (m) *o* morsetto (m) a leva
porta-sierra (m) de tensión á palanca

3

[Sägeblatt-]Spannexzenter (n)
eccentric for tension of saw blade
excentrique (m) à tendre les lames



натяжной эксцентрикъ (m) для пилъ
eccentrico (m) di tensione delle lame
excéntrica (f) de tensión de la hoja de serrar

4

Horizontalgattersäge[n]angel (f)
buckle for horizontal frame saw
chape (f) d'une lame de scie horizontale

приспособленіе (n) для закрѣпленія пилъ въ горизонтальномъ пильномъ станкѣ
attacco (m) *o* morsetto (m) di sega orizzontale
porta-sierra (m) para sierra alternativa horizontal

5

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mit Stahlleiste beschlagene Säge (f)
saw with steel end strips
lame (f) avec agrafe rivée en acier

пила (f) со стальной планкой
sega (f) con rinforzo di acciaio
hoja (f) de sierra rematada por listones de acero

6

Stahlleiste (f)
steel strip
agrafe (f) en acier

a

стальная планка (f)
rinforzo (m) di acciaio, listello (m) di rinforzo in acciaio
listón (m) de acero

7

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Sägen (n)
1 sawing
sciage (m)

пилка (f); распилка (f); распиловка (f)
segatura (f), taglio (m) a sega
aserrado (m)

---

sägen (v)
2 to saw
scier (v)

пилить
segare (v)
serrar (v), aserrar (v)

---

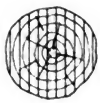
aussägen (v)
3 to saw out
découper (v)

выпили-ть (-вать)
traforare (v), contornare (v), ritagliare (v)
calar (v), contornear (v)

Gatterschnitt (m)
4 flitch cut
débitage (m) au moyen de la scie verticale

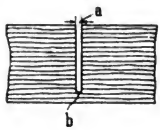
распилъ (m) на лѣсопильной рамѣ
taglio (m) di tronchi
corte (m) por sierra alternativa

Bretterschnitt (m)
5 board cut
débitage (m) en planches



распилъ (m) на доски
taglio (m) di tavole
corte (m) de serrar tablas

Schnittfuge (f), Schlitz (m)
6 saw kerf, notch made by saw
trait (m) de scie



пропилъ (m)
taglio (m)
entalladura (f), raja (f)

Schlitzweite (f)
7 width of kerf
largeur (f) du trait

a

ширина (f) пропила
larghezza (f) del taglio
anchura (f) de la entalladura

Schlitzsohle (f)
8 bottom of kerf
fond (m) du trait

b

подошва (f) пропила
fondo (m) *o* fronte (f) del taglio
fondo (m) de la entalladura

Vorrücken (n) der Säge
9 forward travel of saw
avancement (m) de la lame

подвиганіе (n) или подача (f) пилы
avanzamento (m) *o* corsa (f) della sega
avance (m) de la sierra

Sägengeschwindigkeit (f), Arbeitsgeschwindigkeit (f)
10 speed of saw
vitesse (f) de sciage, vitesse (f) de travail

скорость (f) пилы; рабочая скорость
velocita (f) di taglio, velocità (f) di lavoro
velocidad (f) de la sierra, velocidad (f) de trabajo

Schnittleistung (f)
11 cutting capacity
rendement (m) du débitage

производительность (f) пилы
rendimento (m) della sega
rendimiento (m) de corte

Schnittverlust (m)
12 loss due to cutting
perte (f) due au trait

потери (f pl) на пропилъ
perdita (f) di taglio
pérdida (f) en el corte

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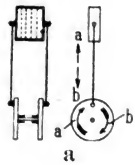
Säge[n]vorgang (m)
forward stroke of saw
avancement (m) de la lame

движеніе (n) пилы вперёдъ
corsa (f) utile *o* corsa (f) di andata *od* avanzata (f) della sega
avance (m) de la hoja

Säge[n]rückgang (m)
back *or* return stroke of saw
retour (m) de la lame

движеніе (n) пилы назадъ
corsa (f) di ritorno della sega, ritorno (m) della sega
retroceso (m) de la hoja

Säge[n]aufgang (m)
up stroke of saw
marche (f) ascendante *ou* course (f) de la lame



a

движеніе (n) пилы вверхъ; подъёмъ (m) пилы
ascesa (f) *od* alzata (f) *o* corsa (f) di ascesa della sega
subida (f) de la hoja

Säge[n]niedergang (m)
down stroke of saw
marche (f) descendante (f) *ou* course (f) de la lame

b

движеніе (n) пилы внизъ; опусканіе (n) пилы
discesa (f) *o* corsa (f) di discesa della sega
bajada (f) de la hoja

Langschneiden (n) des Holzes
cutting the wood longitudinally
sciage (m) en long du bois

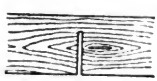
продольная распил[ов]ка (f) дерева
taglio (m) per il lungo *o* longitudinale *o* secondo la fibra
aserrado (m) á lo largo de la madera

---

langschneiden (v)
to cut longitudinally
scier (v) en long

распиливать вдоль
segare (v) secondo la fibra *o* per il lungo *o* longitudinalmente
serrar (v) á lo largo

Querschneiden (n) des Holzes
cross cutting the wood *or* timber
tronçonnage (m) du bois



поперечная распил[ов]ка (f) дерева
taglio (m) di traverso *o* trasversale *o* normale alla fibra
tronzado (m) de la madera

---

querschneiden (v), querabschneiden (v)
to cross cut, to cut across
scier (v) en travers, tronçonner (v)

пилить *или* разрѣзать поперёкъ
segare (v) di traverso *o* trasversalmente *o* normalmente alla fibra
tronzar (v)

Geradführung (f) des Gatters, geradlinige Gatterführung (f)
straight line guidance of saw frame
guidage (m) droit du châssis

прямолинейное движеніе (n) пилы
guida (f) diritta del taglio
conducción (f) rectilínea de la sierra

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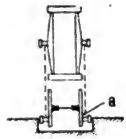
Bogenführung (f) des Gatters
1 curved guidance of saw guidage (m) courbe de la lame

дуговое движеніе (n) пилы
guida (f) curva del telaio
conducción (f) curvada de la sierra



Gatterantrieb (m)
2 driving motion of saw gate
commande (f) du chassis

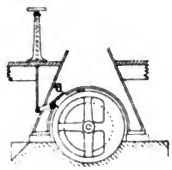
приводъ (m) лѣсопильной рамы *или* пильнаго станка
comando (m) del telaio
movimiento (m) de impulso de la sierra alternativa

Kurbelschwungrad (n)
3 crank fly wheel
volant-manivelle (m)

маховикъ (m) съ кривошипомъ
volante (m) a manovella
volante (m) de la manivela

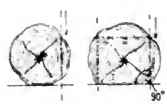
Peitschen (n) der Riemen
4 sagging of the belt
fouettement (m) de la courroie

захлёстываніе (n) *или* біеніе (n) *или* подпрыгиваніе (n) ремней
ondulazione (f) *od* oscillazione (f) della cinghia
el golpear de las correas



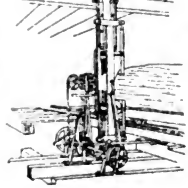
Backenbremse (f)
5 shoe brake
frein (m) à sabot

тормазъ (m) съ колодкой
freno (m) a ceppo
freno (m) de mordazas



das Holz um neunzig Grad (90°) kanten (v)
6 to sqare the timber
équarrir (v) le bois

кантовать бревно на девяносто градусовъ
squadrare (v) i tronchi
escuadrar (v) la madera



Abschwarten (n) der Baumstämme (durch Seitengatter)
7 squaring the log (by side log frame)
enlèvement (m) des dosses *ou* des flaches des troncs, équarrissage (m)

обтёска (f) бревна (на боковомъ поставѣ)
squadratura (f) *o* scortecciatura (f) dei tronchi (con sega laterale)
el quitar la albura y la corteza (por sierra alternativa de recortar)

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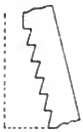
vorgebeiltes Holz (n)
log roughly dressed by axe
tronc (m) dégrossi à la hache

дерево (n), предварительно обтёсанное топоромъ
tronco (m) squadrato coll'accetta 1
tronco (m) recortado á golpe de hacha

Überhängen (n) *oder* Überhang (m) der Sägeblätter, Busen (m)
overhanging of the saw blade
inclinaison (f) des lames



перевѣшиваніе (n) пилы
inclinazione (f) delle lame 2
inclinación (f) de las hojas

überhängende Zahnspitzenlinie (f)
overhanging of saw teeth line
inclinaison (f) de la ligne des pointes de dents

перевѣшивающаяся линія (f) зубцовъ
inclinazione (f) *o* sbalzo (m) *o* sporto (m) della sega 3
linea (f) de puntas de dientes inclinada

überhängen (v)
to overhang
incliner (v)

перевѣшиваться
sospendere (v) in isbalzo, attaccare (v) inclinato, piazzare (v) con inclinazione 4
colgar (v) con inclinación

---

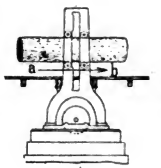
die Hölzer ausrichten (v)
to aline *or* adjust the timber
aligner (v) la pièce à scier, ajuster (v) la pièce à scier

выравнить брёвна
piazzare (v) dritto fil legname 5
poner (v) derechas las maderas

Anschnittende (n) des Blockes
log end to be sawn off
extrémité (f) de la pièce à scier *ou* à débiter

мѣсто (n), съ котораго начинается рѣзаніе
estremità (f) del tronco da segare (al principio del taglio) 6
extremo (m) del tronco donde empieza el corte

Holzdurchgang (m)
passing (*or* travelling) through of the timber
passage (m) de la pièce à scier



проходъ (m) дерева
passaggio (m) dei tronchi 7
paso (m) de la madera

Holzeinfuhrseite (f)
feed side, forward end of saw
entrée (f) de la pièce à scier

входная сторона (f)
lato (m) d'introduzione dei tronchi 8
lado (m) de entrada de la madera

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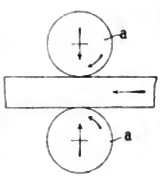
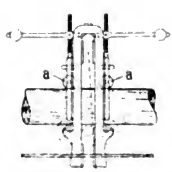
1	Holzausfuhrseite (f) back end of saw sortie (f) de la pièce à scier	b	выходная сторона (f) lato (m) di uscita *o* sortita dei tronchi lado (m) de salida de la madera
2	vorrücken (v) to advance avancer (v)		надвигать; подавать avanzare (v) avanzar (v)
3	Schaltung (f) feed gear embrayage (m) (pour la mise en marche) du chariot		механизмъ (m) для подачи *или* для надвиганія meccanismo (m) dell'avanzamento embrague (m) del movimiento de impulso
4	schalten (v) to put in gear, to put in motion embrayer (v) le chariot (pour la mise en marche)		подавать iniziare (v) l'avanzamento embragar (v) para el avance
5	Seilvorschub (m) rope feed avancement (m) par câble		надвиганіе (n) помощью каната avanzamento (m) a mezzo di fune avance (m) por cable
6	Walzenzuschiebung (f), Werkstückzuschiebung (f) durch Walzen roller feed aménage (m) *ou* entrainement (m) de la pièce par rouleaux		вальцевая подача (f); надвиганіе (n) обрабатываемаго предмета вальцами avanzamento (m) a mezzo di rulli avance (m) automático de la pieza por cilíndros *ó* rodillos
7	Zuschiebungswalze (f), Speisewalze (f), Vorschubwalze (f), Zugwalze (f), Zuführungswalze (f) feed roller rouleau (m) d'entrainement *ou* d'aménage	a	подающіе вальцы (m pl); ведущіе валки (m pl) *или* катки (m pl) rullo (m) di avanzamento cilíndro (m) *ó* rodillo (m) de avance
8	Druckwalze (f), Druckrolle (f) pressure roller rouleau-presseur (m)	 a	нажимной валикъ (m); нажимной роликъ (m) rullo (m) di pressione rodillo (m) de presión

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glatte Walze (f)
smooth roller
rouleau (m) lisse

гладкій валецъ (m) *или* валокъ (m)
rullo (m) liscio
rodillo (m) liso
1

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gerauhte Walze (f), geriefte Walze (f), Rippelwalze (f)
fluted roller
rouleau (m) cannelé

рифлёный валецъ (m); бороздчатый валокъ (m)
rullo (m) scanalato
rodillo (m) ranurado, rodillo (m) acanalado ó dentado
2

Spiralwalze (f)
spiral fluted roller
rouleau (m) avec cannelures hélicoïdales

спиральный валецъ (m) *или* валокъ (m)
rullo (m) con scanalature ad elica
rodillo (m) de ranuras espirales
3

Einzugwalze (f)
drawing in roller
rouleau (m) d'introduction

пріёмный валецъ (m) *или* валокъ (m)
rullo (m) di alimentazione, rullo (m) alimentatore
rodillo (m) de introducción
4

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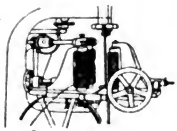
senkrechte *oder* vertikale Zuschiebungswalze (f)
vertical feed roller
rouleau (m) vertical d'aménage



a

стоячій подающій валецъ (m); вертикальный питающій валокъ (m)
rullo (m) verticale di alimentazione
rodillo (m) de introducción vertical
5

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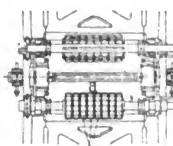
mehrteilige Zuschiebungswalze (f)
feed roller in sections
rouleau (m) sectionné



a

составной подающій валецъ (m); составной питающій валокъ (m)
rullo (m) di alimentazione formato da dischi
rodillo (m) de introducción de partes múltiples
6

Zahnring (m)
fluted disc
disque (m) denté

b

зубчатый кружокъ (m)
disco (m) dentato
anillo (m) dentado
7

Blechkappe (f)
sheet iron cover
tôle (f) protectrice

a

желѣзный кожухъ (m); кожухъ изъ листового желѣза
cappa (f) di lamiera, guardia (f) di protezione
cubierta (f) de chapa
8

Reinigungsbürste (f), Bürste (f)
cleaning brush
brosse (f) de nettoyage

b

чистильная щётка (f); щётка (f)
spazzola (f) per la pulitura
cepillo (m) de limpieza para quitar el serrín
9

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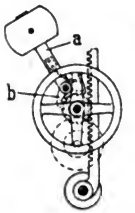
1 Walzenzuschiebung (f) *oder* Walzenvorschub (m) für rohe Baumstämme
roller feed for rough logs
entraînement (m) *ou* aménage (m) par rouleaux pour bois en grume

вальцевая подача (f) для сырого лѣса; вальцевая подача для брёвенъ
avanzamento (m) dei tronchi a mezzo di rulli
avance (m) de los troncos por rodillos

---

2 Anpreßvorrichtung (f) (für obere Vorschubwalzen)
pressure mechanism (for top feed rollers)
appareil (m) de pression (pour les rouleaux d'aménage supérieurs)



нажимное приспособленіе (n) для верхнихъ ведущихъ вальцовъ *или* валковъ
dispositivo (m) per dare la pressione ai rulli
disposición (f) de presión (para rodillos de avance superiores)

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3 Gewicht[s]hebel (m)
balance weight lever
levier (m) à contrepoids

a

рычагъ (m) съ грузомъ *или* съ противовѣсомъ
leva (f) del contrappeso
palanca (f) de contrapeso

---

4 Sperrklinke (f)
pawl
cliquet (m), chien (m)

b

собачка (f) храповика
nottolino (m) di arresto
uña (f) de trinquete

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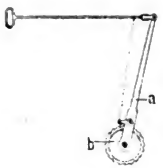
5 Sperrhebel (m)
ratchet lever
levier (m) d'arrêt



рычагъ (m) храповика
leva (f) di arresto
palanca (f) de trinquete

---

6 Sperrad (n)
ratchet wheel
roue (f) à rochet

a

b

храповое колесо (n); храповикъ (m)
ingranaggio (m) o ruota (f) di arresto
rueda (f) de trinquete

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7 gleichmäßiger Vorschub (m) durch Riemen, Reibräder und Schneckengetriebe
regular feed by means of belt and friction gear and worm gear
avance (f) régulière par courroies et engrenages et vis sans fin

равномѣрная подача (f) посредствомъ ремней, колёсъ трения и червячной передачи
avanzamento (m) continuo a mezzo di cinghia e di ruote di frizione e di vite perpetua
avance (m) uniforme por correa y ruedas de fricción y engranajes de tornillo sin fin

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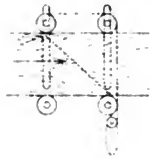
durch Ketten angetriebene Vorschubwalze (f)
chain driven feed roller
rouleau (m) d'aménage commandé par chaine

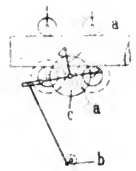


вальцы (m pl) *или* валки (m pl), приводимые цѣпью
rullo (m) alimentatore comandato da catena *1*
rodillo (m) de avance impulsado por cadena

Kettenrolle (f)
chain roller
roue (f) à chaine

цѣпной роликъ (m)
ingranaggio (m) della catena *2*
rollo (m) de cadena

ruckweiser *oder* intermittierender Klinkenvorschub (m) mit Zahnradübersetzung
unsteady feed by ratchet gearing
avance (f) saccadée par roue à rochet et engrenage



періодическая подача (f) съ фрикціонной собачкой и зубчатой передачей
avanzamento (m) intermittente a mezzo di cricchetto e rapporto di ingranaggi *3*
avance (m) intermitente de trinquete engranajes

Schwinge (f)
rocking lever
levier (m) oscillant

a

качающійся рычагъ (m)
leva (f) oscillante *4*
palanca (f) oscilante

Schleppkurbel (f), Vorschubkurbel (f)
driving crank
manivelle (f) d'entrainement

b

ведомый кривошипъ (m); кривошипъ подачи *5*
manovella (f) motrice
manivela (f) de arrastre

Schaltrad (n)
feed wheel, ratchet wheel
roue (f) de commande de l'avance

c

податочное колесо (m)
ruota (f) di avanzamento *6*
rueda (f) de impulso del avance

Stoßrad (n), Schiebrad (n), Zahnscheibe (f)
ratchet wheel
roue (f) à rochet

a

храповое колесо (n); храповикъ (m)
ingranaggio (m) divisore di avanzamento *7*
rueda (f) de trinquete

Schiebklaue (f)
pawl
cliquet (m)

b

собачка (f) храповика
nottolino (m), cricchetto (m) *8*
uña (f) del trinquete

Zuschiebungsvorrichtung (f) für Horizontalgatter
feed motion of carriage for horizontal log frame
appareil (m) d'aménage pour scies horizontales alternatives

надвигающее приспособленіе (n) для горизонтальныхъ пилъ
meccanismo (m) di avanzamento delle seghe alternative orizzontali *9*
disposición (f) de avance para sierras alternativas horizontales

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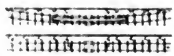
1 Schneiden (n) windschiefer Flächen, Krummschneiden (n)
cutting of crooked *or* warped surfaces
sciage (m) de surfaces gauches *ou* déjetées

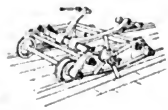
выръзываніе (n) кривыхъ поверхностей; кривая распиловка (f)
segatura (f) di superfici storte seguendo le fibre
aserrado (m) de superficies torcidas

2 Sprengen (n), Führen (n) krummgewachsener Stämme
springing, guiding of crooked logs
guidage (m) de troncs courbés



регулировка (f) положенія бревна; веденіе (n) кривыхъ стволовъ
guida (f) di tronchi storti
conducción (f) de troncos torcidos

3 Zangenwagen (m) mit Sprengvorrichtung *oder* Seitenverschiebung
timber trolley with springing arrangement
wagonnet (m) à griffes pour le sciage des bois courbes

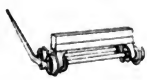


клещевая телѣжка (f) съ приспособленіемъ для регулировки положенія бревна
carrello (m) con arpioni e dispositivo per tagli curvi
carro(m) con disposición de garras para el aserrado de troncos torcidos

4 Rundholzraum- und Längenmesser (m)
apparatus for cubing and measuring the length of timber
appareil (m) à cuber et à mesurer la longueur des bois

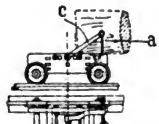
приборъ (m) для измѣренія объёма и длины дерева
apparecchio (m) per misurare la cubatura e lunghezza del legname tondo
aparato (m) de cubicar y medir la longitud de los troncos

5 Blockhebewagen (m)
carriage *or* trolley *or* truck for lifting logs *or* timber
wagonnet (m) de lavage des gros bois



телѣжка (f) для подъёма колодъ
carro (m) per tronchi
carro (m) para el transporte de troncos

6 Blockwagen (m), Stammwagen (m), Blockeinspannwagen (m), Blockzuführungswagen (m), Blockkarren (m), Karre (f), Klotzwagen (m), Zuschiebungskarren (m), Prügelwagen (m)
bogie carriage, travelling carriage (for log saw)
chariot (m) d'aménage pour grumes à débiter



телѣжка (f) для колодъ *или* для брёвенъ
carro (m) *o* carrello (m) per tronchi
carro (m) para troncos

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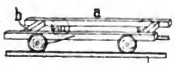
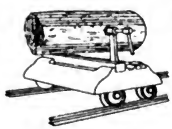
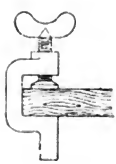
Zange (f) clip, claw, dog griffe (f)	a		зажимныя клещи (f pl) *или* щёки (f pl) arpione (m) garra (f)	*1*
Einspannschraube (f) setting up screw vis (f) de serrage	b		зажимной винтъ (m) vite (f) di fissaggio tornillo (m) de sujeción	*2*
Zangenarm (m), Spannarm (m), [Spannklaue (f)] claw arm bras (m) de la griffe de serrage	c		плечо (n) зажимной щеки braccio (m) dell'arpione *o* di fissaggio brazo (m) de la garra	*3*
Wagenbaum (m), Balken (m) beam poutre (f) (du chariot)	a		продольный брусъ (m) телѣжки trave (f) del carro viga (f) (del carro)	*4*
Querriegel (m) tie bolt, cross bar traverse (f)	b		поперечный брусъ (m) телѣжки collegamento (m), trave (f) trasversale travesaño (m) (del carro)	*5*
Wagenrücklauf (m) return motion for carriage retour (m) du chariot, marche (f) en arrière du chariot			обратный ходъ (m) телѣжки ritorno (m) del carrello, corsa (f) di ritorno del carrello retroceso (m) del carro	*6*
Bretteinspannwagen (m) travelling carriage for deals *or* scantlings wagonnet (m) d'aménage pour débiter les grumes			телѣжка (f) съ зажимомъ для досокъ carrello (m) per segare tronchi in tavole carro (m) de conducción de los troncos	*7*
Einspannen (n) des Blockendes clamping *or* gripping *or* fixing the end of the log fixation (f) de l'extrémité de la grume			укрѣпленіе (n) конца бревна fissaggio (m) di un tronco sulle estremità sujeción (f) del extremo del tronco	*8*
Einspannrahmen (m), Rahmen (m) clamping frame cadre (m) de serrage			зажимная рама (f) morsa (f) *o* telaio (m) di fissaggio prensa (f) de sujeción	*9*
Zwinge (f) hand screw cramp *or* holdfast étau (m) [de serrage]			зажимъ (m) съ барашкомъ morsetto (m) sargento (m)	*10*

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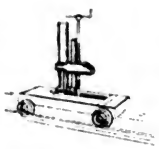
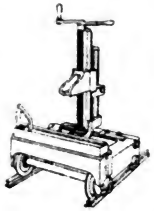
1 Blockwagen (m) mit senkrechter Einspannvorrichtung
log carriage with vertical clamping arrangement
wagonnet (m) a grumes à serrage vertical



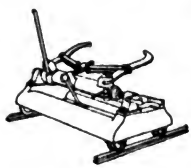
телѣжка (f) для колодъ съ вертикальнымъ зажимомъ
carrello (m) per tronchi con morsa ad apertura verticale
carro (m) para troncos con tornillo vertical de presión y sujeción

2 einarmiger Blockzuführungswagen (m)
travelling carriage with single clamping arm
wagonnet (m) avec simple appareil à griffes



одностоечная телѣжка (f) для подачи колодъ
carrello (m) per l'avanzamento dei tronchi con morsa semplice
carro (m) para troncos de una garra de sujeción

3 Blockwagen (m) mit zwei Zangen, Zangenwagen (m), zangenförmiger Blockwagen (m)
log carriage with two gripping irons
wagonnet (m) à deux griffes



телѣжка (f) съ клещевымъ зажимомъ; шведскія клещи (f pl)
carrello (m) per l'avanzamento dei tronchi con due arpioni
carro (m) para troncos con garras dobles

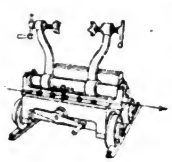
4 Rollenbock (m)
roller standard, roll stand
support (m) à rouleau

катокъ (m) на стойкѣ
sopporto (m) a rulli, cavalletto (m) a rulli
soporte (m) con rodillo horizontal

5 Bretterwagen (m) mit seitlicher Einspannung
timber carriage with side cramping arrangement
wagonnet (m) à deux griffes pour serrage latéral des planches

телѣжка (f) для досокъ съ боковымъ зажимомъ
carrello (m) per segare tavole con fissaggio laterale a vite
carro (m) para tablas con sujeción lateral por dos garras

6 Bretterwagen (m) mit seitlicher Verschiebung
timber carriage with cross traverse motion
wagonnet (m) pour planches à deux griffes à déplacement latéral



телѣжка (f) для досокъ съ боковымъ перемѣщеніемъ зажимного приспособленія
carrello (m) per segare tavole con arpioni spostabili trasversalmente
carro (m) de dos garras para tablas con desplazamiento lateral

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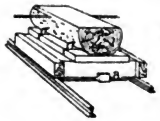


Schlittenvorschub (m)
sliding advancement of carriage
avance (f) par chariot

подача (f) салазками
avanzamento (m) su slitte
avance (m) por plataforma corrediza

1

Schlitten (m)
slide
chariot (m)

a

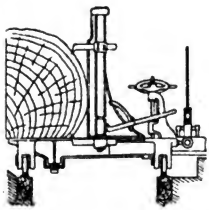
салазки (f pl)
slitta (f)
plata-forma (f) corrediza

2

Führungstisch (m)
table
chariot (m) d'aménage (sur rails)

салазки (f pl) для надвиганія бревна
tavola (f) scorrevole *o* di guida
mesa (f) de conducción (sobre carriles)

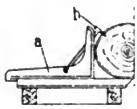
3



Seitenwagen (m)
side carriage
chariot (m) latéral

боковая телѣжка (f)
carrello (m) a corsia laterale
carro (m) lateral

4



Wagen (m) mit Docke, Dockenwagen (m)
carriage with angle and dog hook
chariot (m) avec équerre d'appui

телѣжка (f) со стойками *или* съ упорными угольниками
carrello (m) con squadra
carro (m) con escuadra de apoyo

5

Docke (f), Stützwinkel (m)
angle, fence
équerre (f) d'appui

a

стойка (f); упорный угольникъ (m)
squadra (f) di appoggio
escuadra (f) de apoyo

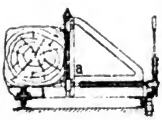
6

Klammerhaken (m), Klammer (f), Haken (m)
dog hook
griffe (f) de serrage

b

крюкъ (m)
arpione (m)
gancho (m) de grapa

7



Dockenverschiebung (f) durch Schrauben
screw adjustment of log carriage fence
déplacement (m) du guide d'équerre par vis

передвиженіе (n) стоекъ *или* упорныхъ угольниковъ посредствомъ винтовъ
comando (m) della squadra a mezzo di vite
deplazamiento (m) de la escuadra por husillo

8

verschiebbare Docke (f), verschiebbarer Stützwinkel (m)
adjustable head stock of log fence
équerre (f) d'appui déplaçable

a

передвижная стойка (f); передвижной угольникъ (m)
squadra (f) spostabile
escuadra (f) de apoyo graduable

9

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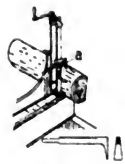

a

1 verstellbarer Dockenhaken (m)
adjustable dog hook
crochet (m) *ou* griffe (f) d'équerre ajustable

переставной крюкъ (m)
arpione (m) aggiustabile *o* spostabile
gancho (m) graduable de la escuadra

2 Verklammerung (f) des Stammes
gripping *or* screwing of the log
serrage (m) de la bille *ou* du tronc par griffes

закрѣпленіе (n) ствола посредствомъ крюковъ
fissaggio (m) dei tronchi a mezzo di arpioni
sujeción (f) del tronco por grapas

3 verklammern (v)
to grip
serrer (v) au moyen de griffes

закрѣплять посредствомъ крюковъ
fissare (v) a mezzo di arpioni
sujetar (v) por medio de grapas

4 Brechstange (f), Hebstange (f)
pinching bar
levier (m) à grumes

ломъ (m)
leva (f), ago (m)
palanca (f) para levantar troncos

5 Kanthaken (m), Wendehaken (m)
claw ended lever for rolling logs, cant dog, rolling dog
crochet (m) pour rouler *ou* retourner les troncs

багровый крюкъ (m)
leva (f) per rotolare i tronchi
palanca (f) de gancho para dar vuelta á los troncos

6 Nagelwinde (f)
toggle motion nail puller
arrache-clous (m)

винтовыя клещи (f pl); домкратъ (m) для выдёргиванія гвоздей
tenaglia (f) a vite
saca-clavos (m) de tornillo

7 Hasenmaul (n)
lever nail puller
arrache-clous (m) à levier

заяцъ (m) [для выдергиванія гвоздей]
tenaglia (f) a leva
saca-clavos (m)

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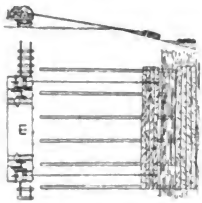
Floßnagel (m)
log raft nail
clou (m) de radeau

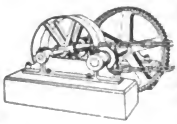
корабельный гвоздь (m)
chiodo (m) per zatteroni 1
clavo (m) de balsa

Blockaufzug (m)
hauling gear *or* conveyer for landing floating logs
treuil (m) pour grumes flottées



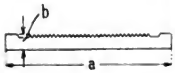
устройство (n) для подъёма брёвенъ
elevatore (m) per tronchi galleggianti 2
elevador (m) de maderas flotantes [de balsas]

Block[aufzug]winde (f), Stammholzwinde (f), Klotzwinde (f)
log conveyer, winch for log hauling gear
treuil (m) pour grumes



воротъ (m) *или* лебёдка (f) для подъёма брёвенъ; самотаска (f) для брёвенъ
argano (m)
torno (m) mecánico para la elevación de troncos 3

Sägeblatt (n)
saw blade
lame (f) de scie



полотенце (n) пилы; пильное полотенце
sega (f), lama (f) da sega 4
hoja (f) de sierra, lámina (f) de sierra

Blattlänge (f)
length of blade
longueur (f) de la lame

a

длина (f) полотенца
lunghezza (f) della sega, lunghezza (f) della lama 5
longitud (f) de la hoja

Blattbreite (f)
width of blade
largeur (f) de la lame

b

ширина (f) полотенца
larghezza (f) della sega, larghezza (f) della lama 6
anchura (f) de la sierra

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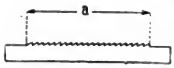
verzahnte Länge (f)
length of toothed portion
longueur (f) dentée



a

длина (f) линіи зубцовъ
lunghezza (f) totale dei denti 7
longitud (f) de la parte dentada

Vollgattersäge[blatt (n)] (f), Mühlsägeblatt (n)
log frame saw blade
lame (f) de scie alternative

полотенце (n) лѣсопильнаго станка
lama (f) da sega alternativa
hoja (f) de sierra alternativa 8

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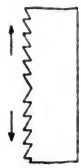
einfach wirkende Säge (f)
1 saw blade for cutting in one direction
scie (f) travaillant dans un sens

пила (f), работающая въ одну сторону
sega (f) ad effetto semplice
hoja (f) de sierra de efecto simple

---

zweiseitig *oder* doppelt wirkende Säge (f)
2 saw blade for cutting in both directions
scie (f) travaillant dans les deux sens



пила (f), работающая въ обѣ стороны
sega (f) a doppio effetto
hoja (f) de sierra de efecto doble

Schrotsäge (f), Brettsäge (f), Spaltsäge (f)
3 ripping saw blade
scie (f) de long, scie (f) à refendre

продольная пила (f)
sega (f) comune, refendino (m)
sierra (f) de sacar tablas

Spannsäge (f), gespannte Säge (f)
4 span saw
scie (f) à monture, scie (f) allemande

пила (f) въ рамѣ; пила съ натянутымъ полотенцемъ
sega (f) ad arco, sega (f) a telaio, refendino (m)
sierra (f) de arco

Sägebogen (m), Sägengestell (n)
5 frame *or* body of saw
châssis (m) de scie

лучокъ (m); рама (f) пилы
telaio (m) *o* arco (m) della sega
arco (m) de sierra, bastidor (m) de sierra

Sägenspannung (f)
6 tension of saw blade
tension (f) de la lame de scie

натяженіе (n) пильнаго полотенца
tensione (f) della sega
tensión (f) de la hoja de sierra

---

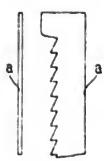
elastische Spannung (f) des Sägeblatts
7 elastic tension of saw blade
tension (f) élastique de la lame

упругое *или* эластичное натяженіе (n) пильнаго полотенца
tensione (f) elastica della sega
tensión (f) elástica de la hoja

---

ungespannte Säge (f)
8 saw not under tension
scie (f) à lame non tendue *ou* lâche

пила (f) съ ненатянутымъ полотенцемъ
sega (f) allentata
sierra (f) de hoja floja



Sägerücken (m)
9 back edge of saw
dos (m) de la lame

задняя спинка (f) полотенца
dorso (m) della lama di sega
espalda (f) de la hoja de sierra

a

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Sägezahn (m)
saw tooth
dent (f) de scie

a

зубецъ (m) пилы
dente (m) della sega
diente (m) de la hoja de sierra *1*

Zahnspitze (f)
tooth point
pointe (f) *ou* sommet (m) de la dent

b

вершина (f) *или* острie (n) зубца
punta (f) del dente, estremità (f) del dente
punta (f) del diente *2*

Zahnspitz[en]winkel (m)
angle of tooth point
angle (m) du sommet de la dent

α

уголъ (m) заострения; уголъ при вершинѣ зубца; уголъ между передней и задней гранями зубца
angolo (m) della punta del dente
ángulo (m) de la punta del diente *3*

Rückenwinkel (m)
angle of back of tooth
angle (m) du dos de la dent

β

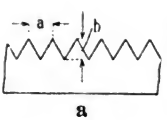
задній уголъ (m); уголъ между линіей зубцовъ и ихъ задней площадкой
angolo (m) della base del dente
ángulo (m) de la espalda *4*

Brustwinkel (m)
angle of cutting edge
angle (m) d'attaque de la dent

γ

передній уголъ (m); уголъ между линіей зубцовъ и ихъ передней (главной) площадкой; уголъ рѣзанія
angolo (m) del tagliente del dente
ángulo (m) de frente *5*

Zahnteilung (f)
pitch of teeth
distance (f) *ou* pas (m) entre les pointes *ou* sommets



a

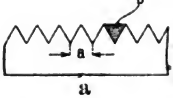
шагъ (m) *или* дѣленіе (n) пилы
passo (m) dei denti
distancia (f) *ó* paso (m) entre los dientes *6*

Zahntiefe (f)
depth of tooth
hauteur (f) des dents

b

высота (f) зубца
altezza (f) *o* profondità (f) dei denti
profundidad (f) del diente *7*

Zahnwurzel (f)
root of tooth
largeur (f) de la dent



a

основаніе (n) зубца
larghezza (f) della base del dente
base (f) del diente *8*

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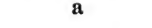
1 Zahnlücke (f)
tooth space
creux (m) des dents

промежутокъ (m) между зубцами
spazio (m) *o* distanza (f) fra i denti
hueco (m) entre dientes

2 Randdicke (f)
thickness at point of tooth
épaisseur (f) à la pointe *ou* au sommet

толщина (f) зубца у вершины
spessore (m) della punta dei denti
espesor (m) de la punta del diente



a

3 Blattdicke (f) der Säge, Sägeblattdicke (f)
thickness of saw blade
épaisseur (f) de la lame

толщина (f) пильнаго полотенца
spessore (m) della sega *o* della lama da sega
espesor (m) de la hoja de sierra

4 Wolf[s]zahn (m)
gullet tooth
dent (f) de loup

волчій зубецъ (m)
dente (m) a becco di pappagallo
diente (m) de lobo

5 M-förmiger Zahn (m), Stockzahn (m)
M-tooth
dent (f) en **M**

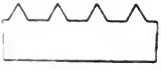
M-образный зубецъ (m)
dente (m) a **M**
diente (m) de forma de **M**

6 Kehlenzahn (m)
briar *or* parrot tooth
dent (f) à gorge

серповидный зубецъ (m)
dente (m) a gola
diente (m) de garganta

7 Kransägezahn (m)
gullet tooth
dent (f) en biseau

волчій зубецъ (m)
dente (m) a becco
diente (m) biselado

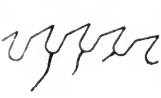


8 unterbrochene Verzahnung (f)
interrupted tooth formation
denture (f) interrompue

рядъ (m) зубцовъ съ перерывами
dentatura (f) a denti spezzati
diente (m) interrumpido

9 ununterbrochene Verzahnung (f)
continuous tooth formation
denture (f) régulière

непрерывный рядъ (m) зубцовъ
dentatura (f) continua *od* a denti continui
diente (m) normal



10 Einreißen (n) der Zähne
flaws *or* cracking at tooth gullet
fêlure (f) des dents

трещины (f pl) у зубцовъ
incrinatura (f) dei denti
raias (f pl) de los dientes

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hinterlochtes *oder* perforiertes Sägeblatt (n), Sägeblatt (n) mit hinterlochten Zähnen
perforated tooth saw (American pattern)
scie (f) perforée

пильное полотенце (n) съ отдушинами
sega (f) perforata
hoja (f) de sierra perforada

1

Säge (f) mit eingesetzten Zähnen
saw with inserted teeth
scie (f) à dents rapportées

пила (f) со вставными зубцами
sega (f) a denti rimessi *od* a denti riportati
hoja (f) de sierra con dientes postizos

2

---

eingesetzter [Säge-] Zahn (m)
inserted (saw) tooth
dent (f) rapportée

вставной зубецъ (m)
dente (m) rimesso *o* riportato
diente (m) postizo de sierra

3

---

geschränkte Zähne (m pl)
teeth with side set
dent (f) à laquelle on a donné de la voie

разведённые зубцы (m pl)
denti (m pl) colla strada, denti (m pl) stradati
dientes (m pl) triscados

4

Schrank (m), Schränkungsbreite (f)
width of set, width over set
voie (f), largeur (f) du trait de scie

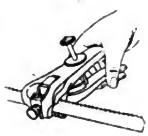
разводъ (m) зубьевъ *или* зубцовъ пилы; ширина (f) развода
strada (f), larghezza (f) della strada
anchura (f) del triscado

5

[das Sägeblatt] schränken (v)
to set the saw teeth
donner (v) de la voie [à la lame de scie]

разводить пилу
dare (v) la strada ai denti
triscar (v) la hoja de sierra

6



Schränken (n), Aussetzen (n), Setzen (n)
setting
voie (f)

разводка (f) зубьевъ *или* зубцовъ
dare (v) la strada
el triscar

7

Schränkeisen (n)
saw set
tourne-à-gauche (m)

разводка (f)
utensile (m) per dare la strada
hierro (m) de triscar

8

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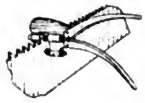
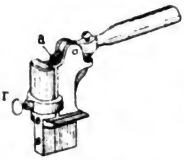
1 Schränkzange (f)
saw setting pliers
pince (f) à donner de la voie



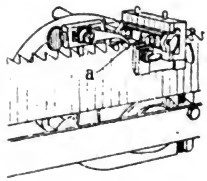
разводные щипцы (m pl)
tenaglia (f) per dare la strada
tenazas (m pl) de triscar

2 Schränkgerät (n), Schränkapparat (m)
saw setting apparatus
appareil (m) à donner de la voie



разводной приборъ (m) *или* аппаратъ (m); приборъ для разводки зубьевъ
apparecchio (m) per dare la strada
aparato (m) de triscar

3 Schränkmaschine (f)
saw setting machine
machine (f) à donner de la voie

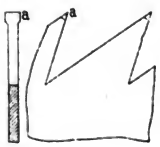


машина (f) для разводки зубьевъ
macchina (f) per dare la strada
máquina (f) de triscar

4 Schränkbacke (f)
setting jaw
joue (f) de la pince à donner de la voie

щека (f) разводныхъ щипцовъ
guancia (f) *o* cuscinetto (m) per dare la strada
mordaza (f) de triscar

5 Stauchen (n) der Sägezähne
swaging *or* jumping up the saw teeth
écrasement (m) *ou* refoulement (m) des dents



расклёпка (f) зубьевъ *или* зубцовъ
ricalcatura (f) dei denti della sega
el recalcar de las puntas de los dientes

6 gestauchte Zahnspitze (f)
swaged tooth point
pointe (f) de dent aplatie *ou* refoulée

расклёпанная вершина (f) зубца *или* зуба
punta (f) del denterical-cata
punta (f) de diente recalcada

7 Zahnstaucher (m)
swaging die
outil (m) pour écraser les dents [de scie]

приборъ (m) для расклёпки зубцовъ
utensile (m) per ricalcare i denti
recalcador (m) de dientes

8 das Sägeblatt nachzahnen (v)
to re-cut the saw teeth
redenter (v) la lame de scie

штамповать зубцы изношеннаго полотенца
ridentare (v) una sega, fare (v) i denti a nuovo ad una sega
repasar (v) la hoja de sierra

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Ausschneiden (n) *oder* Ausstanzen (n) der Zähne
stamping out the teeth
estampage (m) des dents

штампованіе (n) зубцовъ
tranciatura (f) *o* punzonatura (f) dei denti
punzonado (m) de los dientes
1

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ausschneiden (v), ausstanzen (v)
to stamp out
estamper (v) [les dents]

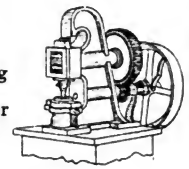
штамповать
tranciare (v), punzonare (v)
punzonar (v)
2

Ausschneiden (n) des Zahngrundes
stamping out the tooth gullet
estampage (m) des creux

штампованіе (n) впадинъ зубцовъ
tranciatura (f) *o* punzonatura (f) del fondo del dente
punzonado (m) del fondo de los dientes
3

Sägezahnschere (f)
hand press for stamping out saw
appareil (m) à estamper les dents

штампъ (m) для пилъ
punzonatrice (f) *o* trancia (f) per denti di sega
punzonadora (f) para dentar hojas de sierras
4



Sägezahnschermaschine (f)
machine for stamping out saw teeth
machine (f) à estamper les dents

штамповальный станокъ (m) для пилъ
macchina (f) per tranciare denti di sega
máquina (f) punzonadora para dentar
5

Schärfen (n) der Sägezähne
sharpening the saw teeth
affûtage (m) des dents

точка (f) *или* точеніе (n) пилъ
affilatura (f) dei denti
afilado (m) de los dientes de sierra
6

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schärfen (v)
to sharpen
affûter (v)

точить; натачивать
affilare (v)
afilar (v)
7

Sägefeile (f)
saw file
lime (f) pour dents (de scie)

напилокъ (m) для точки пилъ
lima (f) per affilare seghe, triangolo (m) per affilare seghe, lima (f) da sega
lima (f) para afilar sierras
8

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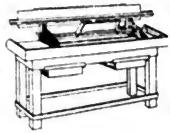
Säge[n]schärfmaschine (f), Schärfmaschine (f) für Sägeblätter
1 saw sharpening machine
machine (f) a affûter les dents de scie, affûteuse (f)

станокъ (m) для точки пилъ; точильный станокъ для пилъ
macchina (f) da affilare, affilatrice (f)
máquina (f) de afilar hojas de sierra

Seitenfeile (f)
2 side file
lime (f) latérale

напилокъ (m) для точки боковыхъ кромокъ
lima (f) piatta
lima (f) lateral

Spannbank (f)
3 saw sharpener's bench
banc (m) à étau, banc (m) d'affût



верстакъ (m) съ тисками для точки пилъ
banco (m) per fissare le seghe da affilare *o* per tendere le seghe da affilare
banco (m) de sujeción

Säge[n]richtscheit (n), Säge[n]richtlineal (n)
4 straight edge used for dressing the teeth
règle (f) à dresser les dents

линейка (f) для вывѣрки пилъ
regolo (m) per raddrizzare i denti di sega
regla (f) de igualar sierras

Ausschleifen (n) des Zahngrundes
5 filing the tooth gullet
affûtage (m) des creux de dents

точка (f) *или* точеніе (n) впадинъ зубцовъ
affilatura (f) del fondo dei denti
afilado (m) ó vaciado (m) del fondo de los dientes

---

die Sägezähne gerade (schräg) schleifen (v)
6 to sharpen the teeth square across (to alternating angles)
affûter (v) droit (incliné) les dents

оттачивать зубцы прямо (косо)
affilare (v) diritto (inclinato) i denti
afilar (v) derecho (inclinado) los dientes

Gradschliff (m) der Zähne
7 sharpening the teeth square across
affûtage (m) droit des dents

прямая [от]точка (f) зубцовъ
affilatura (f) diritta dei denti
afilado (m) derecho de los dientes

Schrägschliff (m) der Zähne
8 sharpening the teeth to alternating angles, bevelling the front edge of teeth
affûtage (m) *ou* aiguisage (m) incliné des dents

косая [от]точка (f) зубцовъ
affilatura (f) obliqua dei denti
afilado (m) inclinado de los dientes

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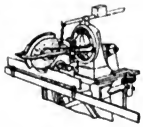
selbsttätige Schrägschliffvorrichtung (f)
self acting saw sharpening machine with swivel head for bevelling the front edge of teeth
appareil (m) pour l'aiguisage incliné automatique des dents



автоматическій станокъ (m) для косой [от]точки пилъ
macchina (f) automatica per affilare i denti obliquamente
disposición (f) automática para afilar con inclinación

1

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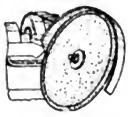
sich drehende *oder* rotierende Schmirgelscheibe (f)
revolving emery wheel *or* disc
meule (f) à émeri



вращающійся наждачный кругъ (m)
mola (f) rotante a smeriglio
disco (m) de esmeril giratorio

2

Steifsägen

Cross Cut Saws for Logs

Scies à tronçonner

Пилы съ жесткимъ полотенцемъ

Seghe a lama rigida *od* a lama volante

Sierras de lámina tiesa, sierras de tronzar

3

Steifigkeit (f)
rigidity
raideur (f)

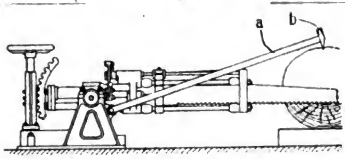
жёсткость (f)
rigidezza (f)
tiesura (f), rigidez (f)

4

Mulaysäge (f)
Mulay saw
scie (f) de Mulay, scie (f) à lame lâche

пила (f) Мюлай съ ненатянутымъ полотенцемъ
sega (f) Mulay
sierra (f) de Mulay, sierra (f) de hoja floja

5



Quersäge (f), Trummsäge (f), Fuchsschwanzquersäge (f), Fuchsschwanz (m)
log saw, cross cut saw machine
scie (f) à tronçonner, scie (f) à manche

поперечная пила (f) для брёвенъ *или* для колодъ *или* для кряжей
sega (f) per tagli trasversali a lama volante, sega (f) per segare trasversalmente *o* per intestare
sierra (f) transversal, sierra (f) de tronzar, sierra (f) transversal de serrote

6

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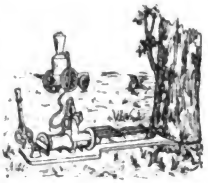
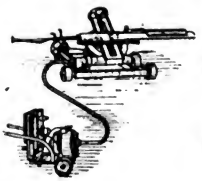
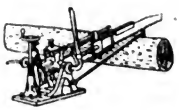
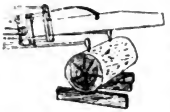
	Haltarm (m)		рычагъ (m) для удержанія брёвенъ *или* колодъ *или* кряжей
1	hinged dog hook arm	a	braccio (m) di ritegno, braccio (m) dell'arpione
	bras (m) à crampon		brazo (m) de sujeción
	Haken (m)		крюкъ (m)
2	dog hook	b	arpione (m)
	crampon (m)		gancho (m)
	Baumfällsäge(f), Quersäge (f) zum Baumfällen, Baumstammquersäge (f)		пила (f) для валки деревьевъ
3	tree feller, tree felling saw		sega (f) per abbattere tronchi
	scie (f) à abattre les arbres		sierra (f) horizontal de talar árboles
	Baumfällsäge (f) mit Dampfantrieb		паровая пила (f) для валки деревьевъ
4	steam tree feller		sega (f) con comando a vapore per abbattere tronchi
	scie (f) à vapeur à abattre les arbres		sierra (f) á vapor de talar árboles
	fahrbare elektrische Baumfällsäge (f)		подвижная электрическая пила (f) для валки деревьевъ
5	portable electric tree feller		sega (f) trasportabile con comando elettrico per abbattere tronchi
	scie (f) à abattre transportable à commande électrique		sierra (f) portátil eléctrica de tronzar árboles
	Abkürzsäge (f), Stammablängesäge (f)		поперечная пила (f) для брёвенъ *или* для колодъ *или* для кряжей
6	cross cut saw for logs		sega (f) per intestare tronchi *o* per tagli trasversali di tronchi
	scie (f) à tronçonner les grumes		sierra (f) de tronzar á dimensión los troncos
	Ablängen (n) von Baumstämmen		поперечное разрѣзываніе (n) брёвенъ *или* колодъ *или* кряжей
7	cutting logs to length		taglio (m) trasversale dei tronchi, suddivisione (f) di tronchi
	tronçonner (v) les grumes		tronzar (v) á dimensión los árboles cortados
	ablängen (v)		разрѣзать поперёкъ; отрѣзать
8	to cut to length		troncare (v), tagliare (v) trasversalmente
	tronçonner (v)		tronzar (v) á dimensión

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Zugsäge (f), Waldsäge (f), Bauernsäge (f)
double handed cross cut saw
scie (f) passe-partout

поперечка (f); поперечная пила (f); двухручная пила
seghetto (m), filetta (f)
sierra (f) de tracción

1

Mondsäge (f), Bauchsäge (f), Wiegensäge (f)
felling saw
scie (f) en forme de croissant *ou* passe-partout, scie (f) à tronçonner

выгнутая поперечка (f); выгнутая поперечная пила (f); выгнутая двухручная пила
sega (f) a pettine, pettine (m)
sierra (f) curva

2

Schweifsägen

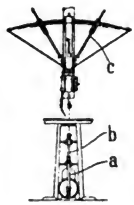
Sweep Cutting Saws

Scies à chantourner

Прорѣзныя пилы
Seghe da traforo ed a lama rigida
Sierras de calar ó de contornear

3

Schweifsäge (f), Ausschneidesäge (f), Wippsäge (f), Dekoupiersäge (f), Laubsäge (f)
fret saw, fret sawing machine, fret cutting machine
scie (f) à chantourner *ou* à découper



прорѣзная *или* ажурная пила (f)
sega (f) da traforo alternativa a balestra per contornare
sierra (f) de calar ó de marquetería

4

Lenkstange (f)
reciprocating rod
bielle (f) de commande

a

шатунъ (m)
biella (f) di comando
biela (f)

5

Führungsstange (f)
guide rod
tige (f) de commande

b

направляющая штанга (f); направляющій штокъ (m)
asta (f) di guida
varilla (f) de conducción

6

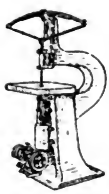
Spannstange (f)
tension rod
barre (f) de tension

c

натяжная струна (f)
tirante (m)
tirante (m)

7

freistehende Ausschneidesäge (f)
self-contained jigger *or* fret saw machine
scie (f) isolée à découper (sauteuse)



свободностоящая прорѣзная *или* ажурная пила (f)
sega (f) a balestra con incastellatura indipendente
sierra (f) de calar de bastidor independiente

8

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Bandsägen

Band Saws,
1 **Band Saw Machines,**
Band Sawing Machines

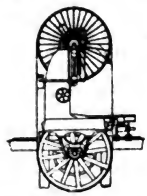
Scies à ruban, scies sans fin

Ленточныя пилы

Seghe a nastro

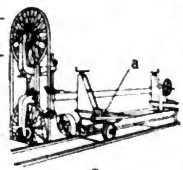
Sierras de cinta

Blockbandsäge (f)
band saw for logs
2 scie (f) à ruban pour débiter les grumes



ленточная пила (f) для [распиловки] брёвенъ *или* колодъ *или* кряжей
sega (f) a nastro per tronchi
sierra (f) de cinta para bloques de madera ó troncos

Bandsäge (f) mit Laufwagen
band saw with travelling carriage
3 scie (f) à ruban avec chariot d'aménage

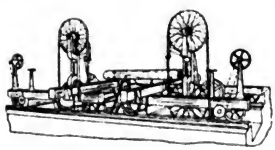


ленточная пила (f) съ телѣжкой
sega (f) a nastro con carrello di alimentazione
sierra (f) de cinta con carro corredizo

Laufwagen (m)
travelling carriage
4 chariot (m) d'aménage

a

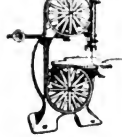
телѣжка (f)
carrello (m) di alimentazione
carro (m) corredizo



doppelte verstellbare Stutzbandsäge (f) *oder* Abkürzbandsäge (f)
double adjustable vertical band sawing
5 machine for cutting logs
double scie (f) à ruban pour débiter les billes à longueur *ou* pour raccourcir les grumes

двойная перестанавливающаяся ленточная пила (f) для укорачиванія *или* для поперечной рѣзки
sega (f) a nastro doppia e regolabile *o* per intestare tronchi *o* per tagliare tronchi in lunghezza
sierra (f) de cinta doble para tronzar y cortar á medida

Tischbandsäge (f)
band sawing machine
6 with table
scie (f) à ruban avec table



ленточная пила (f) со столомъ
sega (f) a nastro con tavola
sierra (f) de cinta con mesa

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Bandsägetisch (m)
band saw table
table (f) de scie à ruban

a

столъ (m) ленточной пилы
tavola (f) della sega a nastro
mesa (f) de sierra de cinta

1

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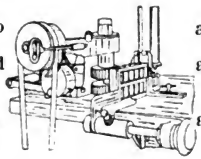
selbsttätiger Vorschub (m) der Bandsäge
automatic feed of band sawing machine
avance (f) automatique d'une scie à ruban



автоматическая подача (f) ленточной пилы
avanzamento (m) automatico della sega a nastro
avance (m) automático de la sierra de cinta

2

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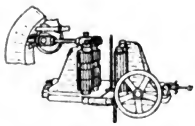
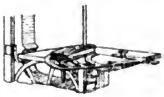
abnehmbarer Walzenvorschub (m)
removable roller feed
appareil (m) d'avance par rouleaux démontable



съёмная вальцевая подача (f)
apparecchio (m) di alimentazione a rulli smontabile
disposición (f) de avance por rodillos desmontable

3

Kreisschneideapparat (m)
circle cutting arrangement
dispositif (m) pour le sciage circulaire



приборъ (m) для рѣзки по кругу
apparecchio (m) per segare circolarmente
aparato (m) de serrar circularmente

4

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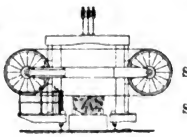
liegende Blockbandsäge (f)
horizontal log band saw
scie (f) horizontale à ruban pour grumes



горизонтальная ленточная пила (f) для [распиловки] брёвенъ *или* колодъ *или* кряжей
sega (f) a nastro orizzontale per tronchi
sierra (f) de cinta horizontal para cortar bloques *o* troncos

5

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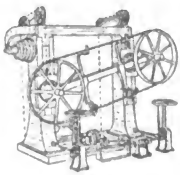
verstellbare Bandsäge (f)
horizontal band saw with vertically adjustable pulleys
scie (f) à ruban à poulies porte-lame ajustables [et lame inclinable]



ленточная пила (f), допускающая установку въ наклонномъ положеніи
sega (f) a nastro inclinabile
sierra (f) de cinta de volantes graduables [y hoja inclinable]

6

Bandrolle (f), [Band-] Sägerolle (f)
saw pulley
poulie (f) porte-lame

шкивъ (m) ленточной пилы; пильный шкивъ
puleggia (f) *o* volante (m) della sega
volante (m) de sierra sin fin

7

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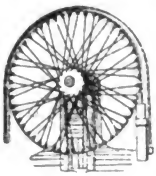
1 Tangentialspeichenrad (n)
saw pulley with tangential spokes
poulie (f) à rais tangents au moyeu



колесо (n) *или* шкивъ (m) съ тангентными спицами
puleggia (f) *o* volante (m) a raggi tangenziali
volante (m) porta-sierra con rayos tangenciales

---

2 die Rollenflächen reinhalten (v)
to keep the face of the pulley clean
tenir (v) propre la surface des poulies

содержать въ чистотѣ поверхность шкивовъ
tener (v) pulito il cerchione della puleggia *o* del volante
tener (v) limpias las superficies de las llantas de los volantes

---

3 Bandrollenwelle (f)
saw pulley spindles *or* shafts
arbre (m) de la poulie porte-lame

ось (f) пильнаго шкива
albero (m) del volante della sega
eje (m) de la polea ó volante porta-sierras

---

4 zweiseitige Lagerung (f)
double bearing
poulie (f) entre deux paliers, palier (m) double

укрѣпленіе (n) съ обѣихъ сторонъ шкива: двустороннее укрѣпленіе
sopporto (m) doppio
volante (v) suspendido entre dos cojinetes

---

5 fliegende Lagerung (f)
overhung bearing
palier (m) en porte à faux

укрѣпленіе (n) шкива на вѣсу [внѣ опоръ]
sopporto (m) semplice, sopporto (m) in isbalzo
suspensión (f) del volante en un cojinete

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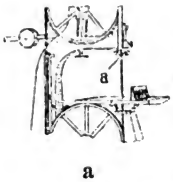
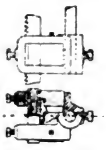
6 Blattführung (f), Bandsägeführung (f)
band saw guide
guidage (m) de la lame



направляющая (f) пильной ленты
guida (f) della sega, guida (f) del nastro
conducción (f) de la hoja de sierra

---

7 Rückenführung (f)
back guide
guidage (m) dorsal de la lame



задняя направляющая (f); направляющая для задней кромки пильной ленты
guida (f) posteriore, guida (f) sul dorso della sega *o* del nastro
conduccion (f) [de la hoja sin fin] por el lomo

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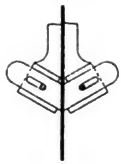
Seitenführung (f)
lateral *or* side guide
guidage (m) latéral

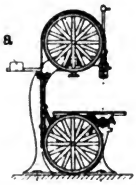


боковыя направляющія (f pl) ленты
guida (f) [doppia] laterale 1
conducción (f) [de la hoja de sierra] por los costados

Spannrolle (f)
tension pulley
galet (m) de tension

натяжное колесо (n); натяжной роликъ (m)
puleggia (f) tenditrice, volante (m) tenditore 2
rodaja (f) de tensión

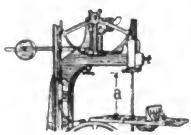
Belastungsgewicht (n)
balance weight
contrepoids (m)



a

грузъ (m) для натягиванія; натяжной грузъ 3
contrappeso (m)
contra-peso (m)

Schnitthöhe (f) der Bandsäge
depth of cut of band saw
hauteur (f) du trait *ou* course (f) de la scie à ruban



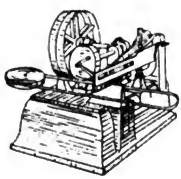
a

высота (f) пропила ленточной пилы
altezza (f) di taglio della sega, altezza (f) ammissibile sulla sega 4
altura (f) de corte de la sierra de cinta

Bandsägeblatt (n), Bandsäge (f)
band saw blade
lame (f) de scie à ruban

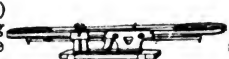
пильная лента (f)
nastro (m) *o* lama (f) della sega
hoja (f) de sierra de cinta, hoja (f) de sierra sin fin 5

Bandsägefeilmaschine (f)
band saw sharpening machine
machine (f) à affûter à la lime les lames de scie à ruban



машина (f) для [от]точки ленточных пилъ напильникомъ
affilatrice (f) di sega a nastro, macchina (f) per affilare seghe a nastro 6
máquina (f) de afilar sierras de cinta

Bandsägefeil- und Schränkapparat (m)
band saw sharpening and setting machine
appareil (m) à affûter et donner de la voie pour scies à ruban



аппаратъ (m) для [от]точки напильникомъ и разводки ленточныхъ пилъ
apparecchio (m) per affilare e per dare la strada 7
aparato (m) de afilar y triscar sierras de cinta

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Löten (n) des Bandsägeblattes
1 brazing the band saw
brasure (f) de la lame de scie à ruban

[с]пайка (f) ленточной пилы
saldatura (f) della sega a nastro
soldadura (f) de la sierra sin fin

Lötapparat (m) für Bandsägeblätter, Bandsägelötapparat (m)
2 brazing apparatus for band saw blades
appareil (m) à braser les lames de scie à ruban

приборъ (m) для [с]пайки ленточныхъ пилъ
apparecchio (m) per saldare seghe a nastro
aparato (m) de soldar sierras de cinta

Lötzange (f)
3 brazing pincers *or* tongs
pince (f) à braser

a

паяльныя клещи (f pl)
tenaglia (f) *o* pinza (f) da saldare
tenaza (f) para soldar

Kreissägen
4 **Circular Saws**
Scies circulaires

Круглыя пилы
Seghe circolari
Sierras circulares

sich drehende *oder* rotierende Säge (f)
5 revolving saw
scie (f) à disque tournant, scie (f) circulaire

вращающаяся пила (f)
sega (f) a disco girevole
sierra (f) rotatoria *ó* circular

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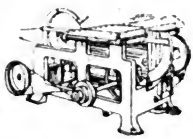
feststehende *oder* stationäre Kreissäge (f)
6 fixed *or* stationary circular saw bench
scie (f) circulaire fixe



неподвижная *или* стационарная круглая пила (f)
sega (f) circolare ad incastellatura fissa
sierra (f) circular estacionaria *ó* fija

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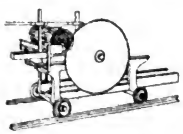
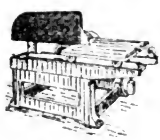
fahrbare Kreissäge (f)
7 portable circular saw bench
scie (f) circulaire sur chariot



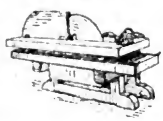
передвижная круглая пила (f)
sega (f) circolare trasportabile
sierra (f) circular portátil *ó* transportable

Kreissäge (f) mit Eisenstuhl *oder* mit Eisengestell
8 circular saw bench with iron frame
scie (f) circulaire avec bâti en fer



круглая пила (f) на чугунной станинѣ
sega (f) circolare con incastellatura di ghisa
sierra (f) circular con bastidor de hierro

Kreissäge (f) mit Holzstuhl *oder* mit Holzgestell
9 circular saw bench with wooden framework
scie (f) circulaire avec bâti en bois



круглая пила (f) на деревянной станинѣ
sega (f) circolare con incastellatura di legno
sierra (f) circular con bastidor de madera

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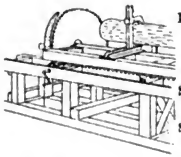
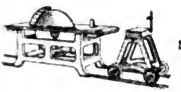
Blockkreissäge (f)
circular saw for logs
scie (f) circulaire pour grumes



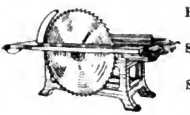
круглая пила (f) для [распиловки] брёвенъ *или* колодъ *или* кряжей
sega (f) circolare per segare tronchi
sierra (f) circular para troncos *1*

Langholzkreissäge (f)
circular saw for length cutting *or* long lengths
scie (f) circulaire pour des bois longs



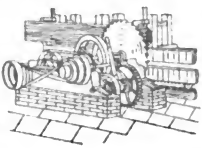
пила (f) для продольной распиловки *или* рѣзки
sega (f) circolare per tagli lunghi *o* per legname lungo
sierra (f) circular para maderas largas *2*

Grubenholzkreissäge (f)
circular saw for pit props
scie (f) circulaire pour bois de charpente de mines



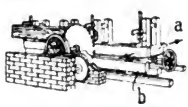
круглая пила (f) для рудничныхъ крѣпей
sega (f) circolare da carpentiere
sierra (f) circular para maderas de minas *3*

Kantholzkreissäge (f)
circular saw for squaring logs
scie (f) circulaire à équarrir les grumes



круглая пила (f) для тёсаного дерева *или* для брусьевъ
sega (f) circolare per squadraro tronchi
sierra (f) circular para escuadrar troncos *4*

Oberwagen (m) mit Parallelverschiebung
top carriage with parallel sliding motion
chariot (m) supérieur à avance parallèle



a

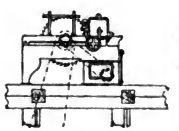
стойки (f pl) для брёвенъ съ параллельнымъ перемѣщеніемъ
carrello (m) superiore ad avanzamento parallelo
carro (m) superior de avance paralelo *5*

Unterwagen (m)
bottom carriage
chariot (m) inférieur

b

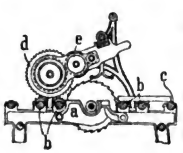
нижняя телѣжка (f)
carrello (m) inferiore
carro (m) inferior *6*

Trennkreissäge (f)
ripping circular saw, circular rip saw
scie (f) circulaire à refendre



разрѣзная круглая пила (f)
sega (f) circolare per rifendere
sierra (f) circular para sacar tablas *7*

Lattenkreissäge (f)
circular saw for laths
scie (f) circulaire pour lattes



планочная круглая пила (f); круглая пила для изготовки рѣшетника
sega (f) circolare per assicelle
sierra (f) circular para hacer listones *8*

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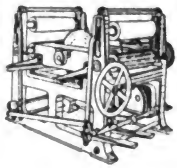
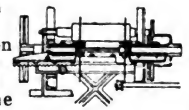
1	Brücke (f) bridge piece support (m) transversal	a	опора (f) ponte (m), traversa (f) puente (m), soporte (m) transversal
2	geriefte Walze (f) grooved roller rouleau (m) cannelé	b	рифлёный валикъ (m) rullo (m) scanalato rodillo (m) ranurado *o* acanalado
3	glatte Walze (f) smooth roller rouleau (m) lisse	c	гладкій валикъ (m) rullo (m) liscio rodillo (m) liso
4	Sternscheibe (f) star wheel roue (f) dentée	d	зубчатый дискъ (m) disco (m) dentato *od* a punte per l'avanzamento del legno disco (m) dentado
5	Tasche (f) gear case boîte (f) [d'engrenages]	e	кожухъ (m) copertura (f) dell'ingranaggio, guardia (f) di protezione caja (f) (de engranajes)
6	Besäumkreissäge (f) circular saw for edging boards scie (f) circulaire à dresser et à équarrir		обрѣзная круглая пила (f); круглая пила для обрѣзки кромокъ доски sega (f) circolare da refilare *o* da raddrizzare sierra (f) circular para recortar [cortar derecho]
7	Besäumen (n) von Brettern edging of boards dresser (v) *ou* aligner (v) les planches		обрѣзаніе (n) досокъ refilatura (f) *o* raddrizzatura (f) delle tavole el recortar tablas
8	Parallelsaumkreissäge (f), Doppelbesäumkreissäge (f) circular saw for parallel sawing scie (f) circulaire à dresser parallèlement *ou* scier les deux bords parallèlement		двойная обрѣзная круглая пила (f) sega (f) doppia da refilare *o* da raddrizzare sierra (f) circular doble para recortar los dos costados
9	gleichachsig gelagerte Sägeblätter (n pl) saw blades mounted on one spindle scies (f pl) circulaires montées sur le même arbre		пильные диски (m pl) на общей оси *или* на общемъ валу seghe (f pl) circolari montate sullo stesso asse hojas (f pl) circulares montadas sobre el mismo eje

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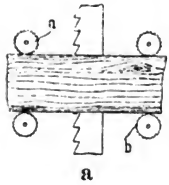
Zuschiebungswalze (f)
front feed roller
rouleau (m) d'aménage



надвигающій валикъ (m)
rullo (m) di avanzamento *o* di entrata *o* di alimentazione *od* anteriore
rodillo (m) de avance, rodillo (m) de introducción

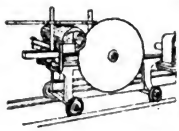
1

Abzugwalze (f)
back roller
rouleau (m) de sortie

отводящій валикъ (m)
rullo (m) posteriore *o* di sortita
rodillo (m) de salida

2

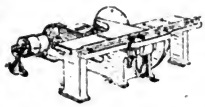
Querkreissäge (f)
circular cross cut saw
scie (f) circulaire à tronçonner



поперечная круглая пила (f)
sega (f) circolare per tagliare trasversalmente *o* per tagli trasversali *o* per intestare
sierra (f) circular de tronzar

3

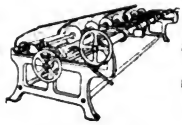
Schwellenquersäge (f)
circular cross cut saw for railway sleepers
scie (f) pour traverses de chemin de fer



поперечная круглая пила (f) для шпалъ
sega (f) per traversine
sierra (f) circular para traviesas de ferrocarril

4

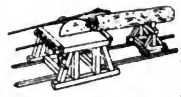
mehrfache Querkreissäge (f)
multiple cross cut saw
scie (f) circulaire multiple à tronçonner



многократная поперечная круглая пила (f); триммеръ (m)
sega (f) multipla per tagli trasversali
sierra (f) circular de tronzar de hojas múltiples

5

Kreissäge (f) mit Blockkarren
circular saw with log carriage *or* trolley
scie (f) circulaire avec chariot pour grumes



круглая пила (f) съ телѣжкой для подачи брёвенъ *или* колодъ *или* кряжей
sega (f) circolare con carrello per tronchi
sierra (f) circular con carro para troncos

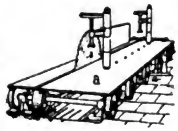
6

Spießbock (m)
trolley with holding spike
crampon (m) de fixation

шипъ (m)
cavalletto (m) a ruote *o* carrello (m) con arpione
garra (f) de sujeción

7

Kreissäge (f) mit selbsttätigem Lauftisch
circular saw with self-acting travelling table
scie (f) circulaire avec chariot automatique



круглая пила (f) съ автоматической подачей стола
sega (f) circolare con tavola ad avanzamento automatico
sierra (f) circular con mesa de avance automático

8

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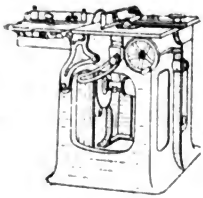
1 Lauftisch (m), fahrbarer Tisch (m), Laufwagen (m)
travelling table
chariot (m), plateau (m) roulant, table (f) roulante *ou* glissante

a

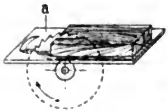
подвижной столъ (m); подвижная телѣжка (f)
tavola (f) scorrevole
mesa (f) corrediza, carro (m) corredizo

2 Tischkreissäge (f)
circular saw bench
scie (f) circulaire à table



круглая пила (f) съ неподвижнымъ столомъ
sega (f) circolare con tavola
sierra (f) circular de mesa

3 Tischfläche (f)
surface of table
surface (f) de la table



a

плоскость (f) стола
superficie (f) *o* piano (m) della tavola
superficie (f) de mesa

4 Gleitwalze (f)
guide roller
rouleau (m) de support

a

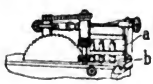
подпирающій *или* поддерживающій валикъ (m)
rullo (m) trasportatore *o* di alimentazione
rodillo (m) de deslizamiento

5 Tischführungslineal (n)
parallel fence
guide (m) parallèle

a

направляющая линейка (f)
guida (f) parallela *o* per il lungo *o* longitudinale
escuadra (f) de guía en la mesa

6 Führungsbacke (f)
fence plate
joue (f) de guidage



a

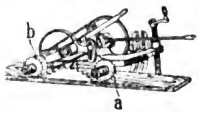
направляющая линейка (f)
piano (m) *o* dorso (m) della guida, cuscini (m pl) della guida
cara (f) de la guía

7 Führungsrolle (f)
guide roller
rouleau (m) de guidage

b

направляющій роликъ (m)
rullo (m) di guida
rodillo (m) de guía

8 Zuschieb[ungs]rad (n)
front feed roller
galet (m) d'aménage



a

ведущая зубчатка (f); зубчатка для надвиганія
ingranaggio (m) di alimentazione *o* di entrata
rueda (f) de introducción

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Abzugrad (n)
back roller
galet (m) de sortie

отводящая зубчатка (f); зубчатка для отодвиганія
ingranaggio (m) di sortita
rueda (f) de salida

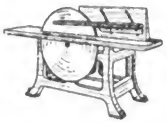
1

Tischlerkreissäge (f)
joiner's saw bench
scie (f) circulaire pour menuiserie

столярная круглая пила (f)
sega (f) circolare da ebanista
sierra (f) circular para carpinteros

2

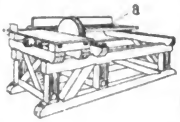
[vertikale] Feinkreissäge (f)
vertical circular saw for thin boards
scie (f) circulaire verticale pour feuillures



вертикальная круглая пила (f) для [рѣзки] тонкихъ дощечекъ *или* фанерокъ
sega (f) circolare per lavori leggieri
sierra (f) circular vertical para cortes finos

3

Abkürzkreissäge (f) mit Schiebetisch *oder* mit verschiebbarem Tisch
circular saw for cutting to length with hand sliding table
scie (f) circulaire à raccourcir avec table mobile



круглая пила (f) для укорачиванія съ подвижнымъ столомъ
sega (f) circolare per accorciare *o* per tagli trasversali con tavola scorrevole
sierra (f) circular para tronzar á dimensión con mesa corrediza

4

seitlicher Schiebetisch (m)
table with lateral travel
table (m) mobile latérale

a

подвижной столъ (m) съ одной стороны пилы
tavola (f) laterale scorrevole
mesa (f) lateral corrediza

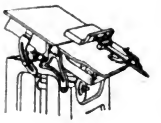
5

Kreissäge (f) mit verstellbarem Tisch
circular saw with tilting *or* canting table
scie (f) circulaire avec table à bascule

круглая пила (f) съ перестанавливающимся столомъ
sega (f) circolare con tavola inclinabile
sierra (f) circular con mesa inclinable [graduable]

6

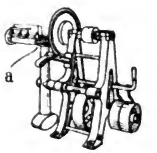
verstellbarer Sägetisch (m)
tilting *or* canting table
table (f) de scie inclinable



перестанавливающійся пильный столъ (m)
tavola (f) inclinabile della sega
mesa (f) de sierra graduable

7

schwingender *oder* pendelnder Tisch (m)
pendulum table
table (f) oscillante



a

качающійся пильный столъ (m)
tavola (f) oscillante
mesa (f) oscilante, mesa (f) de péndulo

8

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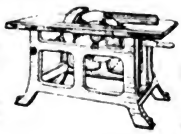
1 Tischkreissäge (f) mit hoch und tief stellbarem Tisch
circular saw bench with rising and falling table
scie (f) circulaire à plateau monte et baisse *ou* à table déplaçable verticalement

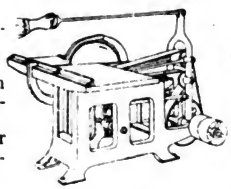
станокъ (m) съ круглой пилой и съ перестанавливающимся вверхъ и внизъ столомъ
sega (f) circolare con tavola a spostamento verticale
sierra (f) circular con mesa de subir y bajar

2 Tischkreissäge (f) mit hoch und tief stellbarem Sägeblatt
circular saw bench with rising and falling spindle
scie (f) circulaire à table avec arbre porte-lame déplaçable



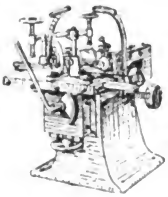
станокъ (m) съ круглой пилой и съ перестанавливающимся вверхъ и внизъ пильнымъ дискомъ
sega (f) circolare con lama a spostamento verticale
sierra (f) circular con hoja de subir y bajar

3 Abkürzsäge (f) mit wanderndem Sägeblatt
circular saw for cutting to length mounted on swinging carriage
scie (f) à tronçonner à lame mobile horizontalement



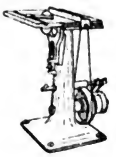
пила (f) для укорачиванія съ надвиганіемъ пильнаго диска
sega (f) circolare per accorciare *o* per tagli trasversali con lama a movimento di andirivieni
sierra (f) circular de cortar *o* dimensión con hoja de traslación

4 [Rahmen-]Gehrungssäge (f)
saw for mitre cutting
scie (f) à onglet [d'encadrement]



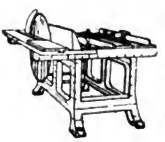
пила (f) для рѣзанія подъ угломъ
sega (f) circolare con disco per tagli d'angolo
sierra (f) circular para cortar ingletes

5 Säulenkreissäge (f)
circular saw mounted on column *or* pillar
scie (f) circulaire sur colonne



круглая пила (f) на колоннѣ
sega (f) circolare con incastellatura a colonna
sierra (f) circular montada sobre columna

6 Schindelkreissäge (f), Schindelmaschine (f)
circular saw for roof shingles
scie (f) circulaire à bardeaux



гонторѣзная круглая пила (f); гонтовая машина (f)
sega (f) circolare per assicelle
sierra (f) circular para pequeñas tablas

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Daubenfüg[e]säge (f)
stave jointing saw
scie (f) à jointer les douves

круглая пила (f) для опиливанія клёпокъ
sega (f) per doghe
sierra (f) circular para hacer juntas de duelas

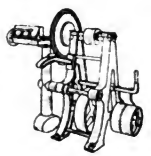
1

Daubenabkürzsäge (f)
stave cross cut saw
scie (f) à raccourcir les douves

пила (f) для укорачиванія клёпокъ
sega (f) per accorciare *o* per tagliare le doghe [a lunghezza] *o* per intestare le doghe
sierra (f) circular doble para cortar las duelas á dimensión

2

Bestoßkreissäge (f)
circular saw for squaring the ends of boards
scie (f) circulaire à araser



форматная круглая пила (f)
sęga (f) circolare per smussare *o* per intestare *o* per tagliare a lunghezza stabilita
sierra (f) circular para recortar á espesor el extremo de las tablas

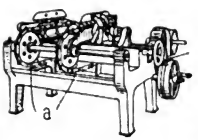
3

Parkettstabbestoßmaschine (f)
machine for parquetry work
machine (f) à araser les frises de parquet

станокъ (m) для пригонки паркетинъ; паркетно-пригонный станокъ
macchina (f) per accorciare *o* per intestare assicelle da pavimento *o* per tagliare a lunghezza le assicelle per pavimenti
máquina (f) para recortar tablas de entarimado (parquet)

4

selbsttätige Parkettbestoßmaschine (f)
automatic machine for parquetry work
machine (f) automatique à raccourcir les frises de parquet



автоматическій паркетно-пригонный станокъ (m)
macchina (f) automatica per accorciare *o* per intestare assicelle per pavimenti *o* per tagliare a lunghezza le assicelle per pavimenti
máquina (f) automática para recortar tablas de entarimado

5

Bandkette (f), Transportkette (f)
feed chain
chaîne (f) de transport *ou* d'aménage

a

транспортная цѣпь (f)
catena (f) di trasporto di alimentazione
cadena (f) transportadora

6

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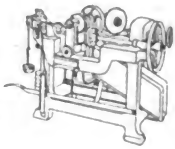
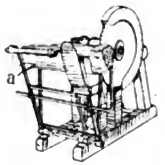


Bodenrundschneid[e]-maschine (f)
cask head rounding
1 machine
machine (f) à arrondir les planchettes des fonds de tonneaux

станокъ (m) для выдѣлки *или* для вырѣзыванія круглыхъ днищъ
macchina (f) per ritondare i fondi di botti *o* di barili
sierra (f) de recortar circularmente los fondos de barriles



Brennholzkreissäge (f) mit beweglicher Schneidlade
circular saw for fire
2 wood with movable cradle
scie (f) circulaire pour bois de chauffage avec porte-bûche oscillant

дроворѣзная круглая пила (f) съ подвижнымъ лоткомъ
sega (f) circolare per legna da ardere con portaceppo
sierra (f) circular para madera de combustión con porta-madera móvil

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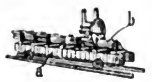
Schneidlade (f)
3 movable cradle
porte-bûche (m)

a

лотокъ (m)
portaceppo (m)
porta-maderas (f)



Spreißelwagen (m)
faggot trolley
4 wagonnet (m) pour transporter les fagots

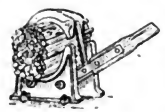
a

телѣжка (f) для вóзки хвороста
vagonetto (m) per fascine, carrello (m) per fasci
carro (m) transportador para fogotes de leña

Spreißel (m)
5 faggot
bois (m) à fagot

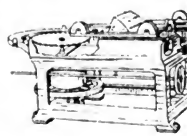
b

хворостъ (m)
fascina (f), fascio (m)
maderas (f pl) partidas, fogotes (m pl) de leña



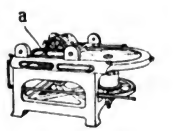
Bündelpresse (f)
6 faggot bundling press
presse (f) à botteler

вязаночный прессъ (m)
pressa (f) per fascine *o* per fasci
prensa (f) para hacer haces



liegende Kreissäge (f), Horizontalkreissäge (f)
7 horizontal circular saw bench
scie (f) circulaire horizontale

горизонтальная круглая пила (f)
sega (f) circolare ad asse verticale, sega (f) circolare orizzontale
sierra (f) circular horizontal



Feinsäge (f) mit liegendem Blatt
horizontal circular saw for fine *or*
8 thin
scie (f) circulaire horizontale à feuillures *ou* pour travail de précision

горизонтальная круглая пила (f) для рѣзки тонкихъ дощечекъ
sega (f) circolare orizzontale per lavori leggeri, sega (f) ad asse verticale per lavori leggeri
sierra (f) circular horizontal para cortes finos

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Holzzuschieb[e]wagen (m)
hand travelling timber trolley *or* carriage
chariot (m) d'aménage du bois

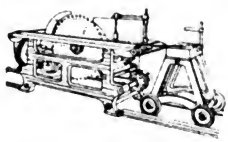
a

телѣжка (f) для подачи *или* для надвиганія дерева
carrello (m) di alimentazione del legname *o* di avanzamento del legname *1*
carro (m) para introducir las maderas

Querkreissäge (f) mit Handvorschub
cross cut saw with hand feed motion
scie (f) circulaire à tronçonner avec aménage du bois à la main

поперечная круглая пила (f) съ ручной подачей
sega (f) circolare per tagli trasversali con avanzamento a mano *2*
sierra (f) de tronzar con avance *ó* introducción á mano

Kreissäge (f) mit selbsttätigem Vorschub
circular saw bench with automatic feed
scie (f) circulaire avec aménage automatique

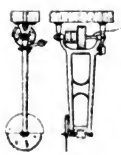


круглая пила (f) съ автоматической подачей
sega (f) circolare ad alimentazione automatica *o* ad avanzamento automatico *3*
sierra (f) circular con avance automático

Schlittenkreissäge (f), Kreissäge (f) mit Schlittenvorschub
circular saw bench with table travelling on rollers
scie (f) circulaire à plateau roulant sur galets

круглая пила (f) съ телѣжкой *или* съ подвижнымъ столомъ
sega (f) circolare con dispositivo di avanzamento a slitta *4*
sierra (f) circular con avance de plataforma corrediza

Pendel[kreis]säge (f), Schwingsäge (f), schwingende Säge (f), Balanciersäge (f)
pendulum circular saw
scie (f) circulaire à pendule



маятниковая круглая пила (f); висячая круглая пила
sega (f) a pendolo, sega (f) oscillante *5*
sierra (f) circular de péndulo, sierra (f) circular suspendida

Aufhängeachse (f)
pivot shaft
arbre (m) de suspension

a

подвѣсная ось (f)
asse (m) di sospensione *6*
eje (m) de suspensión

fahrbare Pendel[kreis]säge (f)
portable pendulum circular saw
scie (f) [circulaire] à pendule sur roues

передвижная маятниковая круглая пила (f)
sega (f) a pendolo *o* oscillante trasportabile *7*
sierra (f) de péndulo portátil

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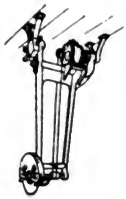
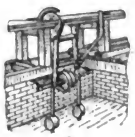
1 Pendel[kreis]säge (f) mit elektrischem Antrieb
pendulum circular saw with electric drive
scie (f) [circulaire] à pendule avec commande électrique



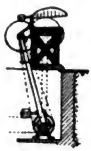
маятниковая круглая пила (f) съ электрическимъ приводомъ
sega (f) oscillante *od* a pendolo con comando elettrico
sierra (f) de péndulo movida directamente por motor eléctrico

2 Pendelsäge (f) mit Unterantrieb
pendulum saw driven from below
scie (f) à pendule avec commande inférieure



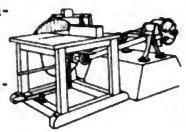
маятниковая пила (f) съ нижнимъ приводомъ
sega (f) oscillante *od* a pendolo comandata dal basso
sierra (f) de péndulo con disposición de impulso en la parte inferior

3 Kappsäge (f), [Radiussäge (f)]
vertical oscillating circular saw
scie (f) [circulaire] verticale oscillante



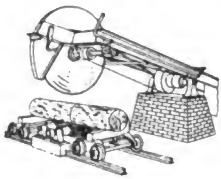
маятниковая пила (f); [фиг.:] обратная маятниковая пила
sega (f) circolare oscillante [con tavola]
sierra (f) circular vertical oscilante [de péndulo]

4 liegende *oder* horizontale Kappsäge (f)
horizontal oscillating circular saw
scie (f) [circulaire] horizontale oscillante



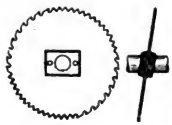
радіальная пила (f); горизонтальная подвѣсная пила
sega (f) circolare orizzontale ed oscillante [con tavola]
sierra (f) circular horizontal oscilante [de péndulo]

5 Baumstammquerkreissäge (f)
log cross cutting circular saw with radial arm
scie (f) circulaire à tronçonner les grumes



поперечная круглая пила (f) для распиловки колодъ *или* брёвенъ
sega (f) circolare a bilanciere per tronchi
sierra (f) circular para tronzar troncos

6 Taumelsäge (f), schwankende *oder* wankende Kreissäge (f), Schaukelsäge (f)
drunken saw blade
scie (f) circulaire oscillante



колеблющаяся пила (f); пила съ косой осью; пьяная пила
sega (f) circolare a lama oscillante, sega (f) circolare obliqua
hoja (f) de sierra circular oscilante

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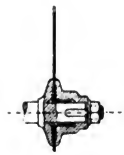
verstellbare Nutsäge (f)
drunken saw blade for grooving
scie (f) circulaire oscillante réglable à rainurer

перестанавливающаяся пила (f) для пазовъ; пила съ косой осью; пьяная пила
lama (f) di sega oscillante e regolabile 1
hoja (f) circular oscilante para ranurar ó acanalar

Kreissägewelle (f)
saw spindle
arbre (m) pour scie circulaire

валъ (m) круглой пилы; пильный (m) валъ
albero (m) della lama, asse (m) della sega circolare 2
eje (m) para sierra circular

Kreissägeblattbefestigung (f)
fixing of saw blade
fixation (f) de la scie circulaire

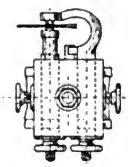


закрѣпленіе (n) пильнаго диска
piazzamento (m) o fissaggio (m) della sega circolare 3
disposición (f) de sujeción de la hoja circular

Ausrichten (n) der Kreissäge
adjusting the circular saw
ajustage (m) de la scie circulaire

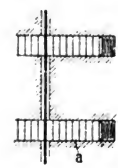
вывѣрка (f) круглой пилы
aggiustaggio (m) o messa (f) a punto della sega circolare 4
graduación (f) de la sierra circular

Sägeblattführung (f), Sägeblattstützung (f)
saw blade guide
guidage (m) de la lame de scie circulaire



направляющія (f pl) для пильныхъ дисковъ
guide (f pl) della sega circolare 5
guía (f) de la hoja de sierra circular

Packdose (f)
packing box
boîte (f) de bourrage



сальникъ (m)
scatola (f) di guarnizione
caja (f) de colocación ó de empaquetadura 6

Packung (f)
packing
bourrage (m)

a

набивка (f)
guarnizione (f)
empaquetadura (f) 7

getalgte Baumwolle (f), mit Talg durchsetzte Baumwolle (f)
tallowed cotton packing
coton (m) imbibé de suif

просаленная бумажная прядь (f)
cotone (m) insevato, guarnizione (f) imbevuta di sevo
cotón (m) de sebo, algodón (m) impregnado en sebo 8

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1 Lederscheibe (f)
leather disc
disque (m) de cuir

кожаный кружокъ (m)
guarnizione (f) di cuoio
disco (m) de cuero

2 verstellbare Kreissägelagerung (f)
adjustable bearing for circular saw
palier (m) réglable pour scies circulaires

перестанавливающійся подшипникъ (m) круглой пилы
cuscinetti (m pl) regolabili della sega circolare
montaje (m) graduable del eje de la sierra circular

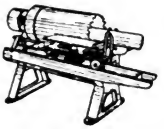
3 Kreissägeblatt (n)
circular saw blade
lame (f) de scie circulaire

пильный дискъ (m); дискъ круглой пилы
sega (f) circolare, lama (f) da sega circolare
hoja (f) de sierra circular

4 kegelig *oder* konisch geschliffenes Sägeblatt (n)
saw blade with bevelled cutting edge
lame (f) de scie à biseau

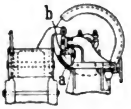
конически заострённый пильный дискъ (m)
sega (f) circolare ad entrata conica, lama (f) da sega circolare ad entrata conica
hoja (f) de sierra afilada conicamente

5 Trommelsäge (f), Zylindersäge (f), Kron[en]säge (f)
cylinder saw
scie (f) cylindrique



цилиндрическая пила (f)
sega-trapani (f)
sierra (f) de tambor, hoja (f) de serrar cilindrica

6 Mulde (f)
trough
auge (f)



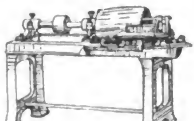
корыто (n)
truogolo (m)
hoyo (m)

7 Räumplatte (f)
delivering plate
plaque (f) de dégagement

b

пластинка (f) для выталкиванія клёпокъ
placca (f) di scarico
placa (f) de desalojar

8 faßförmige Säge (f)
barrel saw
tambour (m) pour faire des douves bombées



бочковидная пила (f)
sega (f) con tamburo in forma di fusto
sierra (f) en forma de barril

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Kugelschal[en]säge (f), Konkavsäge (f)
concaved circular saw
scie (f) circulaire concave

станокъ (m) съ шарообразной *или* со сферической пилой; станокъ съ вогнутой пилой *1*
sega (f) circolare concava
sierra (f) cóncava

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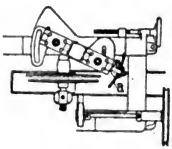
kugelflächiges Sägeblatt (n), Sägeblatt (n) mit Kugelfläche
concave circular saw blade
lame (f) de scie circulaire concave



a

шарообразная *или* сферическая пила (f); вогнутая пила
lama (f) da sega a calotta, sega (f) circolare concava *2*
hoja (f) de sierra de forma cóncava

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XI.

Holzhobelmaschinen

Wood Planing Machines

Raboteuses à bois

Деревострога[те]льные станки

Piallatrici per il legno

Máquina de cepillar madera

Spanhobelmaschinen

Veneer Planing Machines

Machines à faire les feuilles de placage

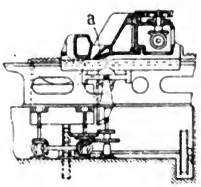
Станки, обрабатывающие дерево снятіемъ стружки

Piallatrici per impellicciature

Máquinas de hacer chapas de madera

1

Holzhobelmaschine (f) mit Hobeleisen und Zugbewegung
wood planing machine with movable plane iron
machine (f) à raboter le bois avec déplacement horizontal de l'outil *ou* rabot



деревострога[те]льный станокъ (m) съ поступательнымъ движеніемъ струга
piallatrice (f) per legno con tavola a coltello scorrevole
máquina (f) de cepillar madera con cuchillas y avance útil ó cepillo

2

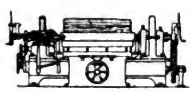
Hobel (m)
plane
rabot (m)

a

стругъ (m)
pialla (f)
cepillo (m)

3

Spanhobelmaschine (f), Spanschneidmaschine (f), Spanschneider (m), Furnierhobelmaschine (f), Furnierschneidmaschine (f)
veneer [cutting] machine
machine (f) à faire les feuilles de placage



фанер[оч]но-строга[те]льный станокъ (m)
piallatrice (f) *o* macchina (f) per impellicciature
máquina (f) de hacer chapas de madera

4

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Spanmesser (n), Furniermesser (n), Stahllamelle (f)
fixed plane iron
couteau (m) *ou* lame (f) de couteau pour feuilles de placage

ножъ (m) въ фанер[оч]но-строга[те]льномъ станкѣ
coltello (m) *o* lama (f) fissa per impellicciature
cuchilla (f) *ó* lámina (f) para cortar chapas de madera

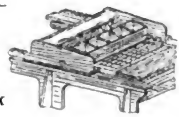
1

Ritzmesser (n), Ritzelmesser (n)
scoring knife
couteau (m) à trusquiner, couteau (m) à tracer les feuilles de placage

рѣзецъ (m) для надрѣзанія строгальной стружки; круглолущильный рѣзецъ
lama (f) per tracciare impellicciature dai tronchi
cuchilla (f) de trazar las chapas de madera

2

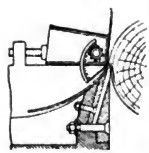
Messerschlitten (m), Schlitten (m)
cutter *or* knife slide
chariot (m) à couteaux



ножевой полазунъ (m); салазки (f pl) съ ножами
slitta (f) del portacoltello, slitta (f) del portalama
carro (m) de cuchillas

3

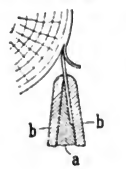
Messerträger (m)
cutter *or* knife holder
porte-couteaux (m)



ножевой суппортъ (m); суппортъ для ножа
portacoltello (m), portalama (m)
porta-cuchillas (m)

4

Messerstütze (f)
knife supports
appui (m) de la lame



опора (f) для ножа
sopporto (m) della lama *o* del coltello
apoyo (m) de lámina

5

a

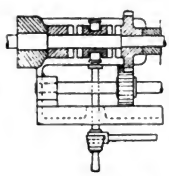
Überlageisen (n)
knife back irons
contre-fer (m)

b

желѣзная накладка (f)
guancia (f) portalama
contra-cuchilla (f)

6

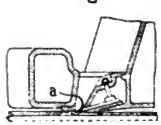
Kuppelstück (n)
coupling arrangement
accouplement (m)



соединительный механизмъ (m)
innesto (m)
acoplamiento (m)

7

Späne schneiden (v)
to cut veneers
faire (v) des copeaux



снимать стружку
tagliare (v) impellicciature
sacar (v) virutas, sacar (v) chapas de madera

8

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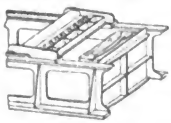
a

Span (m), Furnier (n)
1 veneer
copeau (m), feuille (f) de placage

стружка (f); фанера (f)
impellicciatura (f)
chapa (f) de madera, hoja (f) de madera

Furnierschneidmaschine (f) mit geradem Schnitt horizontal
2 veneer machine with straight cut
machine (f) à faire les feuilles de placage à mouvement horizontal



фанер[оч]ный станокъ (m) *или* фанерорѣзальная машина (f) съ прямолинейнымъ движеніемъ ножа
piallatrice (f) per impellicciature a taglio orizzontale
máquina (f) de hacer chapas de madera con corte derecho horizontal

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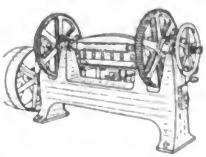
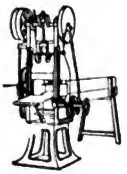
Furnierschälmaschine (f), Rundschälmaschine (f), Furnierschneidmaschine (f) mit
3 Spiralschnitt
veneer peeling machine [with spiral cut]
machine (f) à dérouler les bois ronds



круглолущильный станокъ (m); фанерорѣзальная машина (f) для снимания спиральныхъ фанеръ; фанер[оч]ный станокъ съ вращательнымъ движеніемъ кряжа
piallatrice (f) rotativa per impellicciature
máquina (f) de desenrollar madero redondo

Schachtelspanteilmaschine (f)
box veneer cutting machine
4 machine (f) à découper les feuilles *ou* bandes minces pour boîtes



станокъ (m) для нарѣзки коробочной дран[к]и
macchina (f) per tagliare assicelle da scatole
máquina (f) de cortar tiras para cajas de las chapas de madera

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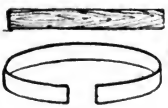
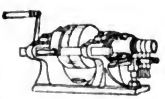
Schachtelspan (m)
box veneer
5 feuille (f) *ou* bande (f) mince pour boîtes



коробочная дрань (f) *или* дранка (f)
assicella (f) per scatole
hoja (f) de madera para cajas

Schachtelzargenteilmaschine (f)
[box] dovetailing machine
6 machine (f) à découper les bords des tablettes *ou* planchettes latérales pour boîtes



станокъ (m) для изготовленія ящичныхъ боковыхъ стѣнокъ
macchina (f) per tagliare le congiunzioni delle assicelle per scatole
máquina (f) de cortar en los costados de las chapas para cajas las colas de milano

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Schachtelzarge (f)
[box] dovetail
7 bord (m) de tablette *ou* planchette latérale pour boîtes

боковая стѣнка (f) ящика
congiunzione (f) di assicelle per scatole
borde (m) de costado de caja

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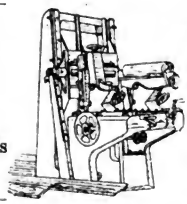
Holzwoll[e]maschine (f)
wood wool making machine
machine (f) à faire la laine de bois

станокъ (m) для древесной шерсти
macchina (f) per fare lana di legno *o* di bosco *1*
máquina (f) de hacer lana de madera

doppelte Holzwoll[e]-maschine (f)
double wood wool making machine
machine (f) double à faire la laine de bois



двойной станокъ (m) для древесной шерсти
macchina (f) doppia per fare lana di legno *o* di bosco *2*
máquina (f) de hacer lana de madera de doble efecto

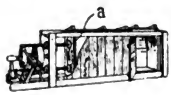
drehbare Einspannvorrichtung (f)
rotatable cramping apparatus
appareil (m) de fixation tournant

вращающееся нажимное приспособление (n)
dispositivo (m) girevole per fissare il tronco *3*
porta-maderas (m) giratorio

Ballenpresse (f), Packpresse (f)
baling *or* packing press
presse (f) verticale à emballer

прессъ (m) для тюковъ
pressa (f) per balle, pressa (f) per colli *4*
prensa (f) para empaquetar lana de madera

Preßkasten (m)
press framework
châssis (m) de la presse à emballer

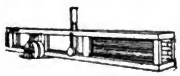


прессовальный ящикъ (m)
cassa (f) della pressa per balle *o* per colli *5*
caja (f) de la prensa de lana de madera

Preßdeckel (m)
preß head
couvercle (m) de la presse

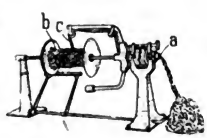
прессующая крышка(f)
coperchio (m) della pressa *6*
cubierta (f) de la caja de la prensa

selbsttätige doppelte Ballenpresse (f)
double automatic baling press
presse (f) automatique double à emballer



двойной автоматическій прессъ (m) для тюковъ
pressa (f) doppia automatica per balle *o* per colli *7*
prensa (f) automática doble para lana de madera

Spinnmaschine (f) für Holzwoll[e]seile
wood wool rope spinning machine
machine (f) à corder les fibres de bois



станокъ (m) для свиванія канатовъ изъ древесной шерсти
macchina (f) per torcere lana di legno *o* di bosco *8*
máquina (f) de hacer trenza de lana de madera

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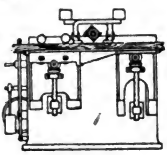
1	Spindeldüse (f) spindle nozzle douille (f)	a	осевая пріёмная трубка (f) bussola (f) casquillo (m) del husillo
2	Wickeltrommel (f) winding drum tambour (m) d'enroulement	b	барабанъ (m) для намотки tamburo (m) di avvolgimento tambor (m) de enrollar
3	Holzwoll[e]seil (n) wood wool rope corde (f) en fibre de bois	c	канатъ (m) изъ древесной шерсти fune (f) *o* corda (f) di lana di legno o di bosco trenza (f) de lana de madera
4	Hobelmaschine (f) für Holzgeflechtspäne wood planing machine for cord fibres machine (f) à varloper pour copeaux à treillis		строга[те]льный станокъ (m) для стружекъ, предназначенныхъ для древесныхъ плетеній piallatrice (f) per fibre di legno [da essere intrecciate] cepillo (m) de hacer virutas uniformes para cestas
5	Hobelmaschine (f) für Bierklärspäne planing machine for beer finings machine (f) à varloper pour copeaux de clarification de la bière		строга[те]льный станокъ (m) для стружекъ, служащихъ для освѣтленія пива piallatrice (f) per trucioli per chiarificare la birra cepillo (m) para producir virutas de clarificar cerveza
6	Farbholzraspel (f) planer for coloured wood machine (f) à varloper les bois de teinture		станокъ (m) *или* машина (f) для измельченія красильныхъ деревьевъ raspa (f) per legni coloranti cepillo (m) para producir virutas de maderas colorantes
7	**Abricht- und Dickenhobelmaschinen** **Trying up and Thicknessing Machines** **Machines à dégauchir et machines à tirer d'épaisseur**		**Пригонные и строга[те]льные станки** **Piallatrici da piano e da spessore** **Máquinas de aplanar y de poner á grueso**
8	Flächenhobelmaschine (f) planing machine for surfacing machine (f) à dégauchir		строга[те]льный станокъ (m) для плоскостей piallatrice (f) da piano máquina (f) de cepillar superficies

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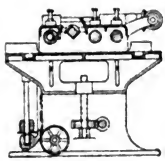
Abziehmaschine (f)
planing machine
machine (f) à dresser

чистильный станокъ (m)
piallatrice (f) di finimento 1
máquina (f) de planear

Parallelhobelmaschine (f)
parallel planing machine
machine (f) à raboter *ou* à planer



строга[те]льный станокъ (m) для параллельныхъ плоскостей
piallatrice (f) per superfici parallele, piallatrice (f) da spessore 2
máquina (f) de cepillar de cilindros paralelos

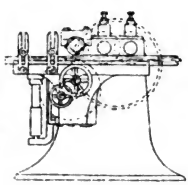
Abrichthobelmaschine (f), Abrichtmaschine (f)
smooth planing machine, smoothing planer
machine (f) à corroyer *ou* à dégauchir

пригонный строга[те]льный станокъ (m)
piallatrice (f) da piano e filo 3
máquina (f) de planear, máquina (f) de labrar

Säulenabrichtmaschine (f)
light type planing machine mounted on column
machine (f) à dégauchir sur colonne

малый пригонный станокъ (m) на колоннѣ
piallatrice (f) da piano e filo con incastellatura a colonna 4
máquina (f) de planear sobre columna

Langhobelmaschine (f), Tangentialhobelmaschine (f)
planing machine for long work
raboteuse (f) à cylindres (dans le sens des fibres)



продольно-строга[те]льный станокъ (m)
piallatrice (f) a cilindri per pezzi lunghi da tavole 5
máquina (f) de cepillar á lo largo de la madera, máquina (f) de cepillar tangencialmente

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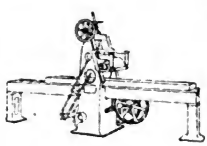
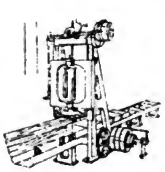
Planhobelmaschine (f)
surface planing machine, surfacer
planeuse (f)



продольно-строга[те]льный станокъ (m)
piallatrice (f) da piano 6
plancadora (f), acepilladora-planeadora (f)

Querhobelmaschine (f)
squaring up machine
raboteuse (f) à disque tournant



поперечно-строга[те]льный станокъ (m)
piallatrice (f) per squadrare *od* a coltelli trasversali 7
acepilladora (f) transversal

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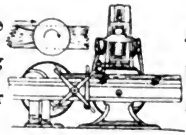
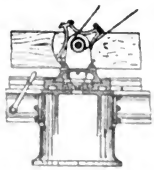
1 Scheibenhobelmaschine (f)
revolving disc planing machine
machine (f) à dégauchir à disque



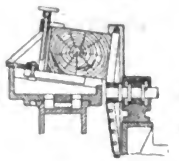
дисковый строга[те]льный станокъ (m)
piallatrice (f) con coltelli a disco
acepilladora (f) de discos

2 Balkenhobelmaschine(f)
planing machine for timber balks *or* beams
raboteuse (f) pour poutres



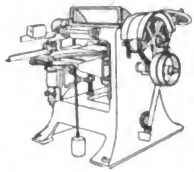
строга[те]льный станокъ (m) для брусьевъ
piallatrice (f) per travi
acepilladora (f) para vigas

3 Kegelscheibenhobelmaschine (f)
planing machine with conical cutter disc
varlopeuse (f), raboteuse (f) à disque porte-fers conique



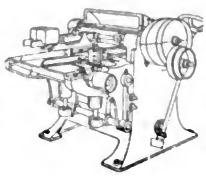
строга[те]льный станокъ (m) съ конически расположенными ножами *или* съ конусообразнымъ ножевымъ дискомъ
piallatrice (f) con portacoltelli a disco conico
acepilladora (f) de portacuchillos cónico

4 Walzenhobelmaschine (f)
planing machine with cylindrical cutters
raboteuse (f) à cylindres



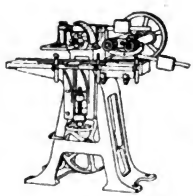
вальцовый строга[те]льный станокъ (m)
piallatrice (f) a rulli
acepilladora (f) de poner á grueso con rodillos

5 Walzenhobelmaschine (f) mit wag[e]rechten und senkrechten Messerwellen
planing machine with horizontal and vertical cutter blocks
raboteuse (f) à cylindres avec arbres porte-outils horizontaux et verticaux, raboteuse (f) à trois et quatre faces



вальцовый строга[те]льный станокъ (m) съ горизонтальными и вертикальными ножевыми валами
piallatrice (f) a rulli con coltelli verticali ed orizzontali
acepilladora (f) con porta-cuchillos horizontal y vertical

6 Walzenhobelmaschine (f) mit frei liegendem Messerkopf
planing machine with independent cutter head
raboteuse (f) à arbre porte-outils en porte-à-faux



вальцовый строга[те]льный станокъ (m) съ свободнолежащей ножевой головкой
piallatrice (f) a rulli con portacoltelli in sbalzo
acepilladora (f) con cabezal de cuchillos libre, acepilladora (f) abierta en un costado

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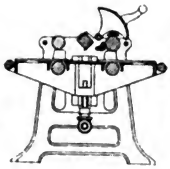
einseitige Walzenhobelmaschine (f)
planing machine open side
raboteuse (f) à cylindres pour le travail sur une face



односторонній вальцовый строга[те]льный станокъ (m)
piallatrice (f) a rulli ed a un portacoltelli
acepilladora (f) de cilindros para trabajar en un solo lado

1

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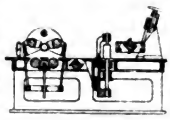
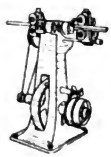
zweiseitige (drei-, vierseitige) Walzenhobelmaschine (f)
two side (three side, four side) planer
raboteuse (f) à cylindres pour le travail sur deux (trois *ou* quatre) faces



двух-, трёх- и четырёхсторонній строга[те]льный станокъ(m)
piallatrice (f) a rulli ed a due (tre *o* quattro) portacoltelli
acepilladora (f) de cilindros para trabajar dos (tres y cuatro) costados

2

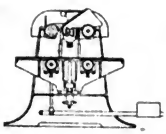
Rundstabhobelmaschine (f)
rounding machine
machine (f) à faire les bâtons ronds



строга[те]льный станокъ (m) для круглыхъ брусковъ
macchina (f) per fare *o* per tagliare bastoni tondi *o* per arrotondare bastoni
máquina (f) para hacer palos redondos

3

Dick[t]enhobelmaschine (f), Bretterhobelmaschine (f)
thicknessing machine for planks
machine (f) à tirer d'épaisseur, raboteuse (f) pour planches



строга[те]льный станокъ (m) для досокъ [любой толщины]
piallatrice (f) da spessori
acepilladora (f) de poner á grueso

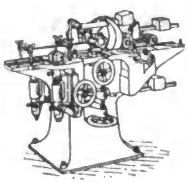
4

Brettchenhobelmaschine (f)
thicknessing machine for boards
machine (f) à raboter les planchettes

строга[те]льный станокъ (m) для дощечекъ
piallatrice (f) per assicelle
acepilladora (f) para tablitas

5

Leistenhobelmaschine (f)
moulding *or* fillet moulding machine, molding machine
machine (f) à raboter les filets



строга[те]льный станокъ (m) для брусочковъ
piallatrice (f) per listoni
acepilladora (f) para listones

6

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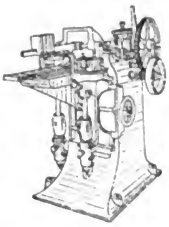
1 Parkettstabhobelmaschine (f)
planing machine for parquetry fillets
machine (f) à raboter les planches étroites *ou* lames de parquet



строга[те]льный станокъ (m) для паркетныхъ планокъ
piallatrice (f) per listelli da pavimenti
acepilladora (f) para tablas de entarimado

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2 Türfüllungsplattenmaschine (f)
panel raising machine
machine (f) à dresser les panneaux de porte

станокъ (m) для скашиванія филёнокъ
piallatrice (f) per fodrine da serramenti
acepilladora (f) para cuarterones de puerta

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3 Kettentischhobelmaschine (f)
chain type table planing machine
machine (f) à dégauchir à plateau sans fin

строга[те]льный станокъ (m) со столомъ въ видѣ безконечной цѣпи
piallatrice (f) con tavola a catena senza fine
acepilladora (f) de mesa articulada sin fin

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4 Handhobelmaschine (f)
hand planing machine
machine (f) à dégauchir à aménage du bois avec la main

ручной строга[те]льный станокъ (m)
piallatrice (f) a mano
máquina (f) de labrar [con conducción de la madera á mano]

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5 Schnellhobelmaschine (f)
high speed planing machine *or* planer
raboteuse (f) rapide

быстро-строга[те]льный станокъ (m)
piallatrice (f) rapida
acepilladora (f) rápida

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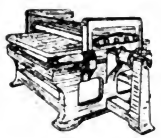
6 Aufrauhmaschine (f)
machine for roughing *or* striating veneer
machine (f) a strier les feuilles de placage



станокъ (m) для приданія шероховатостей
macchina (f) da striare
máquina (f) de estriar las chapas

---

7 hobeln (v)
to plane
raboter (v)

строгать
piallare (v)
cepillar (v)

---

8 Hobelbreite (f)
width of planed surface
largeur (f) à raboter

a

рабочая ширина (f) строга[те]льнаго станка
larghezza (f) da piallare, larghezza (f) piallabile
anchura (f) de cepillar

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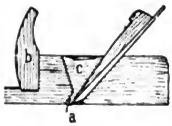
Hobelsohle (f)
face of the plane
face (f) d'un rabot

нижняя поверхность (f) колодки (f) струга
superficie (f) inferiore della pialla
superficie (f) inferior del cepillo
1



Handhobel (m)
hand plane
rabot (m)

рубанокъ (m); ручной стругъ (m)
pialla (f)
cepillo (m)
2

Hobelmaul (n)
opening in the plane face
ouverture (f) de la mortaise

a

отверстіе (n) [въ колодкѣ рубанка *или* струга] для желѣзка
apertura (f) inferiore della pia la
abertura (f) de la superficie inferior del cepillo
3

Hobelnase (f)
handle of the plane
poignée (f)

b

рогъ (m) рубанка *или* струга
impugnatura (f) della pialla
empuñadura (f)
4

Spanloch (n)
plane hole
lumière (f)

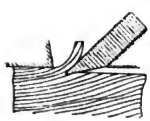
c

нижній прорѣзъ (m) въ колодкѣ струга
luce (f) della pialla
lumbrera (f)
5

abrichten (v)
to surface, to square up, to try up
dégauchir (v)

пригонять
raddrizzare (v), spianare (v)
aplanar (v), enderezar (v), igualar (v)
6

gegen den Span schneiden (v)
to cut against the grain
couper (v) en soulevant le copeau

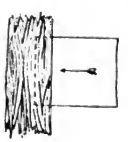


рѣзать противъ волоконъ
tagliare (v) contro la fibra
cortar (v) contra la viruta
7

die Messerschneiden arbeiten stark gegen den Span
the edges of the tools cut deep against the grain
le tranchant du fer soulève fortement le copeau

рѣжущія кромки (f pl) сильно наклонены противъ волоконъ
l'utensile prende troppo contro la fibra
los cortes trabajan fuertemente contra la viruta
8

die Schneidkante liegt gleichlaufend zur Faser
the cutting edge is parallel to the grain
le tranchant est parallèle aux fibres



рѣжущая кромка (f) расположена параллельно волокнамъ
il tagliente è parallelo alla fibra
el corte está paralelo á las fibras
9

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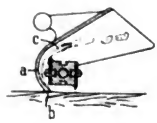
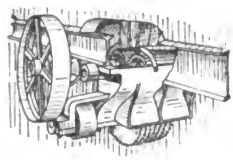
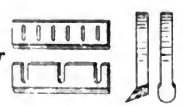
1	Abzugwalze (f) discharging roller cylindre (m) *ou* rouleau (m) de sortie	b	отводящій валикъ (m) *или* роликъ (m) rullo (m) di sortita cilindro (m) *ó* rodillo (m) de salida
2	Spanschirm (m) chip guard garde-copeaux (m)		щитъ (m) для стружекъ guardia (f) di protezione contro i trucioli guarda-virutas (m)
3	Spanlenker (m) chip deflector guide-copeaux (m)	a	листъ (m) для направленія стружекъ curva (f) direttrice dei trucioli guia-virutas (m)
4	Spanbrecher (m) chip breaking lip, chip breaker brise-copeaux (m)	b	приспособленіе (n) для надламыванія стружекъ rompitrucioli (m) quiebra-virutas (m), rompe-virutas (m)
5	Putzspan (m) finishing *or* cleaning chip copeau (m) de finissage	c	стружка (f), снятая чистильными ножами truciolo (m) di finimento viruta (f) de acabado
6	Spänezerreißapparat (m), Vorrichtung (f) zum Zerkleinern von Putzspänen apparatus for tearing off the shavings dispositif (m) pour découper les copeaux de finissage		приборъ(m) для размельченія стружекъ, снятыхъ чистильными ножами rompitrucioli (m) *o* sminuzzatore (m) per trucioli di finimento aparato (m) *ó* disposición (f) para desmenuzar virutas de acabado
7	Maschinenhobelmesser (n) machine plane iron *or* knife lame (f) de rabot		строгальный ножъ (m) coltello (m) di piallatrice cuchilla (f) de máquinas de cepillar
8	Grundmesser (n), Sohlenmesser (n) ground planing knife pousse-avant (m)	 a	ножъ (m) для отдѣленія подрѣзаннаго дерева coltello (m) a bedano cuchilla (f) de acabar
9	Vorschneidmesser (n), Vorschneider (m) roughing knife lame (f) à dégrossir	b	подрѣзной ножъ (m) coltello (m) incisore *o* sbozzatore cuchilla (f) de desbaste

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rechter Anschliff (m)
correct application of cutter *or* blade
affûtage (m) droit du tranchant

a

обыкновенная отточка (f) фасонныхъ ножей
affilatura (f) esatta
afilado (m) derecho

1

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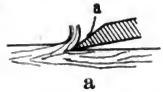
verkehrter Anschliff (m)
incorrect application of cutter *or* blade
affûtage (m) renversé du tranchant

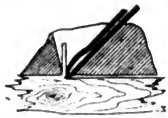


a

обратная отточка (f) фасонныхъ ножей
affilatura (f) sbagliata
afilado (m) invertido

2

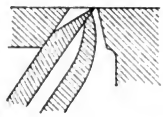
Doppeleisen (n)
plane iron with back iron, double plane iron
fer (m) avec contre-fer



двойное желѣзко (n)
ferro (m) doppio, ferro (m) con controferro
acero (m) *ó* cuchilla (f) con contra-cuchilla

3

Abziehmesser (n), Putzmesser (n)
back iron, finishing knife
couteau (m) de finissage



шлихтовальный *или* чистильный *или* отдѣлочный ножъ (m)
ferro (m) *o* coltello (m) di finimento
cuchilla (f) de acabado

4

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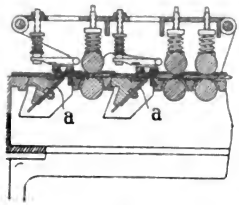
feststehendes Putzmesser (n)
fixed back iron
lame (f) *ou* couteau (m) fixe de finissage



a

неподвижный чистильный ножъ (m)
ferro (m) *o* coltello (m) fisso di finimento
cuchilla (f) de acabado fija

5

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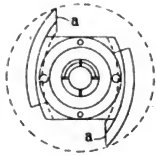
gekrümmtes Messer (n)
curved knife *or* blade
lame (f) *ou* couteau (m) *ou* fer (m) recourbé

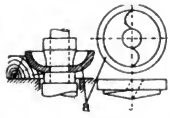


a

кривой ножъ (m)
coltello (m) arcuato
cuchilla (f) curbada

6

Messer (n) aus einem Stück
solid cutter in one piece
lame (f) *ou* couteau (m) d'une seule pièce



a

ножъ (m) изъ одного куска
ferro (m) *o* coltello (m) in un sol pezzo
cuchilla (f) de una pieza

7

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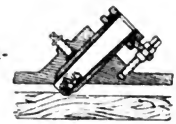
1
Fasenmesser (n)
chamfering iron
lame (f) *ou* fer (m) à biseau

ножъ (m) для скашиванія
coltello (m) *o* ferro (m) piano
cuchilla (f) abiselada

2
Formhobelmesser (n), Profil[hobel]messer (n), Fassonhobelmesser (n)
moulding iron
lame (f) profilée, fer (m) profilé

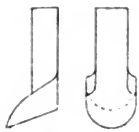
профильный ножъ (m); фасонный ножъ
coltello (m) *o* ferro (m) sagomato
cuchilla (f) perfilada

3
Schruppmesser (n)
hollow cylindrical planing tool
outil (m) à dégrossir



черновой ножъ (m)
ferro (m) da sgrossare *o* da sbozzare
cuchilla (f) circular de desbastar

4
Scheibenmesser (n)
knife for cutter disc
fer (m) à disque



ножъ (m) для строгальнаго диска
ferro (m) con tagliente a disco curvo
cuchilla (f) de disco

5
Kegelscheibe (f)
conical cutter disc
disque (m) porte-lames conique

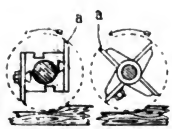
конусообразный ножевой дискъ (m); коническій строгальный дискъ
disco (m) conico (porta-coltelli)
porta-cuchillas (m) de disco cónico

6
Kegelscheibenmesser(n)
knife for conical cutter disc
outil (m) pour porte-lames conique

a

ножъ (m) для коническаго строгальнаго диска
ferro (m) a disco conico
útil (m) para porta-cuchillas cónico

7
Walzenmesser (n)
knife for cutter block
fer (m) sur bloc tournant



a

вращающійся ножъ (m)
coltello (m) di porta-coltelli rotativo
cuchilla (f) sobre cabezal giratorio

8
die Messer auswechseln (v)
to change the knives *or* cutters
échanger (v) les fers

перемѣнять ножи
cambiare (v) i coltelli *o* i ferri
cambiar (v) las cuchillas

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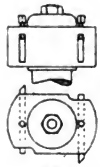
Messerkopf (m)
cutter block *or* head
porte-outils (m)



ножевая головка (f)
portacoltelli (m) a trottola *1*
cabezal (m) porta-cuchillas

Lippe (f)
lip
lèvre (f) (du porte-fer)

a

скосъ (m) ножевой головки
bordo (m) *2*
labio (m) *ó* contra-fuerte (m) del porta-cuchillas

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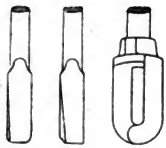
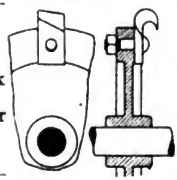
bohrerartiger Messerkopf (m)
boring cutter block
porte-outils (m) à forme d'alésoir *ou* de mêche de foret



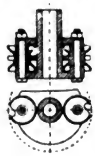
сверловидная ножевая головка (f)
utensile (m) in forma di punta *o* di trapano *3*
cabezal (m) de cuchillas en forma de mecha *ó* broca

Messerkopf (m) mit krummer Schneide
cutter block with hook tool
porte-outil (m) avec fer à tranchant courbé



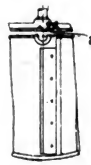
ножевая головка (f) съ крючковидным рѣзцомъ
portautensili (m) con ferro *o* coltello curvo *od* a becco *4*
cabezal (m) con cuchillas con corte de media caña

Messerkopf (m) mit Messern aus gedrehten Stahlkörpern
cutter block with turned steel cutters
porte-outils (m) avec couteaux-disques



ножевая головка (f) съ точёными стальными ножами
portautensili (m) con ferri a profilo costante *5*
cabezal (m) con cuchillas-discos

Messerkopf (m) für lange Messer
cutter block for long cutters
porte-outil (m) pour fers longs

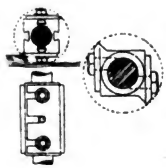


ножевая головка (f) для длинныхъ ножей
portautensili (m) per ferri *o* coltelli lunghi *6*
cabezal (m) para cuchillas largas

Messerlehne (f)
knife blade support
appui (m) du fer

упоръ (m) ножа
sostegno (m) del ferro *o* del coltello *7*
apoyo (m) de cuchilla

Messerkopf (m) der Dickenhobelmaschine
cutter head *or* cutter block for thicknessing machine
porte-outils (m) de raboteuse à tirer d'épaisseur



ножевая головка (f) строга[те]льнаго станка
portautensili (m) per piallatrice da spessori *8*
cabezal (m) de cuchillas de la máquina de poner á grueso

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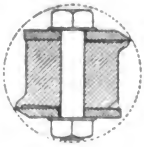
1 Messerkopf (m) mit hohlaufliegenden Messern
cutter block with hollow faces
porte-outils (m) à faces entaillées

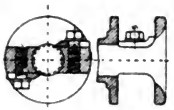


ножевая головка (f) съ полостью подъ ножами
portautensili (m) con ferri con aggiustaggio al tagliente
cabezal (m) de superficies escotadas

2 Messerkopf (m) mit gekrümmten Messern
cutter block with curved knives *or* cutters
porte-outil (m) avec fers courbés

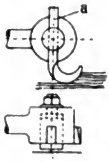
ножевая головка (f) съ кривыми ножами
portautensili (m) con ferri *o* con coltelli curvi
cabezal (m) con cuchillas curvadas

3 Rundhobelkopf (m)
cutter block for rounding *or* dowel machine
arbre (m) porte-outils rond



кругло-строгающая ножевая головка (f)
utensile (m) per piallare superfici cilindriche
cabezal (m) de cepillar redondo

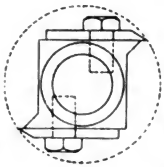
4 Messerstiel (m)
shank of cutter *or* tool
manche (m) *ou* tige (f) du couteau *ou* de la lame



a

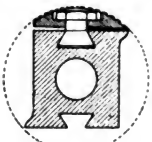
хвостъ (m) ножа
gambo (m) dell'utensile
mango (m) de la cuchilla

5 Messerbefestigung (f) durch Schrauben
fixing *or* securing the knives *or* cutters by set screws
fixation (f) du fer par vis



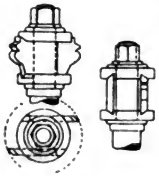
укрѣпленіе (n) ножей болтами
fissaggio (m) del ferro *o* del coltello a mezzo di vite
sujeción (f) de la cuchilla por tornillo

6 Messerbefestigung (f) durch Deckel
fixing *or* securing the knives by cover plates
fixation (f) du fer au moyen d'une pièce rapportée



укрѣпленіе (n) ножа крышкою
fissaggio (m) del ferro *o* del coltello a mezzo di pezzo riportato
sujeción (f) de la cuchilla con cubierta y tornillo

7 Messerbefestigung (f) durch Nuten und Ring
fixing the cutter by means of grooved rings
fixation (f) du fer au moyen d'encoches et de bagues



укрѣпленіе (n) ножей кольцами съ пазами
fissaggio (m) del ferro *o* del coltello a mezzo di dado ed anello
sujeción (f) de las cuchillas con ranuras y anillos

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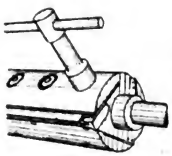
runde Messerwelle (f), Sicherheitswelle (f), Messerwalze (f)
cylinder cutter *or* cutter block, safety cutter block
arbre (m) porte-outils



ножевой валикъ (m)
portautensili (m) a trottola
cilindro (m) de cuchillas

1

Messerspindel (f), Messerwelle (f)
cutter block spindle
arbre (m) porte-outils

ножевой валъ (m); ножевой шпиндель (m)
albero (m) del portautensili a trottola
árbol (m) porta-cuchillas, eje (m) porta-cuchillas

2

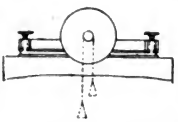
a

Messerkopfzapfen (m)
cutter shank
tourillon (m) sur lequel est fixé le porte-outil

b

цапфа (f) ножевого вала
spina (f) *o* perno (m) del portautensili a trottola
espiga (f) para el cabezal de cuchillas

3



Ablehren (n) des Messerkopfes
gauging the cutter block
calibrage (m) du porte-outil

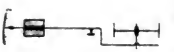
выверка (f) ножевой головки
calibratura (f) del portautensili
calibrado (m) del cabezal porta-cuchillas

4

ablehren (v)
to gauge
calibrer (v)

выверять
calibrare (v)
calibrar (v)

5



abwägen (v)
to level
équilibrer (v)

взвѣшивать
bilanciare (v)
balancear (v)

6

Schwerachse (f)
axis passing through centre of gravity
axe (m) passant par le centre de gravité

ось (f) тяжести
asse (m) del baricentro
eje (m) de gravidad

7

Drehachse (f)
axis of rotation
axe (m) de rotation

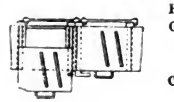
ось (f) вращенія
asse (m) di rotazione
eje (m) de rotación

8

Messerausgleicher (m), Messerbalancierapparat (m)
cutter balancing machine
appareil (m) à équilibrer les fers à raboter

приборъ (m) для уравновѣшиванія ножей
apparecchio (m) per bilanciare i coltelli a piallare
aparato (m) de balancear las cuchillas

9



Hobelkasten (m), Messerkasten (m), Schublade (f)
drawer for cutters
tiroir (m) à fers

коробка (f) съ ножами
cassa (f) *o* cassetto (m) per ferri *o* coltelli da piallatrici
caja (f) de cuchillas de cepillar

10

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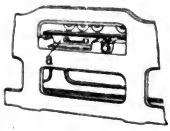
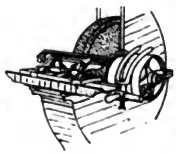
Putzmesserkasten (m), Abziehmesserkasten (m)
1 drawer for dressing knives
tiroir (m) à fers à polir



a

коробка (f) съ чистильными ножами
cassa (f) *o* cassetto (m) per ferri *o* coltelli da finitrici
caja (f) de cuchillas de acabado

Hobelmesserschleifmaschine (f)
2 grinding machine for plane irons
machine (f) à affûter les fers à raboter



точильный станокъ (m) для строга[те]льныхъ ножей
affilatrice (f) per ferri *o* per coltelli di piallatrici
máquina (f) de afilar cuchillas de cepillar

Kehl- und Fügemaschinen

Moulding and Jointing Machines
3

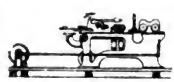
Machines à faire les moulures, les rainures et languettes

Строга[те]льные станки для фасонныхъ работъ и для фугованія

Piallatrice per sagome *o* per congiunzioni

Máquinas de hacer molduras, cajas y espigas

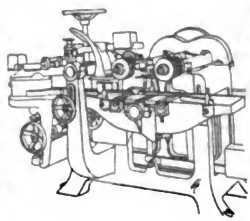
Kehl[hobel]maschine (f) wood moulding *or* molding machine
4 machine (f) à (faire les) moulures



строга[те]льный станокъ (m) для фасонныхъ работъ; калёвочно-строга[те]льный станокъ
piallatrice (f) per sagome, sagomatrice(f), profilatrice (f)
máquina (f) de hacer molduras

---

vierseitige Hobel- und Kehlmaschine (f)
four cutter planing and moulding machine
5 machine (f) à faire les moulures sur quatre faces *ou* à quatre rouleaux à lames



четырёхсторонній строга[те]льно-калёвочный станокъ (m)
piallatrice (f) a quattro ferri, sagomatrice (f) a quattro ferri
máquina (f) de cepillar y hacer molduras con cuatro ejes de cuchillas

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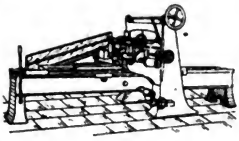
Kehlmaschine (f) für kegelige *oder* konische Leisten, Sarghobelmaschine (f)
moulding machine for conical strips
machine (f) à faire les moulures coniques [pour cercueils]



калёвочный станокъ (m) для косыхъ планокъ; строга[те]льный станокъ для гробовъ
sagomatrice (f) per cornici coniche [per bare] *1*
máquina (f) de cepillar molduras cónicas [para ataudes]

Kehlung (f)
moulding
moulure (f)

калёвка (f)
sagoma (f), cornice (f), profilo (m) *2*
moldura (f), perfil (m)

---

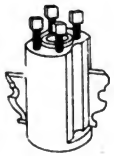
gekehltes Brett (n)
moulded board, moulding, molding
planche (f) moulurée

доска (f) съ калёвкою; фасонная *или* профильная доска
tavola (f) con sagoma, tavola (f) sagomata *3*
tabla (f) con moldura

Kehlleistendruckgerät (n)
pressure apparatus for moulding machine
appareil (m) à presser pour moulureuses

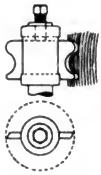
нажимъ (m) для калёвокъ
dispositivo (m) di pressione per sagomatrici *o* per profilatrici *4*
aparato (m) de presión para máquina de hacer molduras

Kehlkopf (m)
moulding cutter block
porte-outils (m) à moulurer



калёвочная головка (f)
portaferri (m) per sagomatrici *o* per profilatrici *5*
cabezal (m) porta-cuchillas

Kehlmesser (n)
moulding iron *or* cutter
fer (m) à moulurer



калёвочный ножъ (m); фигурный *или* профильный ножъ
ferro (m) *od* utensile (m) per sagomare *o* per profilare *6*
cuchilla (f) perfilada

Einstellvorrichtung (f) *oder* Justierapparat (m) für Formmesser
apparatus for adjusting moulding irons *or* knives
dispositif (m) pour l'ajustage des fers à profiler

установочное приспособленіе (n) для профильныхъ ножей; приспособленіе для установки профильныхъ ножей
dispositivo (m) per la messa a punto dei ferri *o* degli utensili per sagomare *o* per profilare *7*
disposición (f) de ajuste de las cuchillas de perfilar

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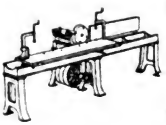
1 Kehlmesserschleifmaschine (f)
moulding knife grinding machine
affûteuse (f) pour fers à moulurer

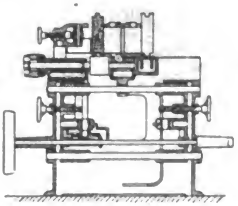
точильный станокъ (m) для профильныхъ ножей
affilatrice (f) multipla per ferri da sagomare o da profilare
máquina (f) múltipla de afilar cuchillas perfiladas

2 Fügemaschine (f)
jointing machine
machine (f) à rainer



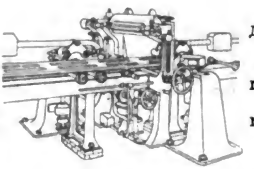
фуговальный станокъ (m); станокъ для фугованія
macchina (f) per congiunzioni o per tirare a filo
máquina (f) de ensamblar

3 Nutmaschine (f), Spundmaschine (f)
tonguing and grooving machine
machine (f) à rainer, machine (f) à languetter



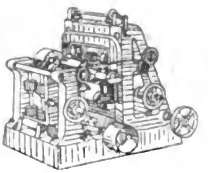
станокъ (m) для шпунтованія
macchina (f) per incastri
máquina (f) de machihembrar

4 doppelte Spundmaschine (f)
double tonguing and grooving machine
machine (f) double à bouveter (rainer et languetter)



двойной станокъ (m) для шпунтованія
macchina (f) doppia per incastri
máquina (f) doble de machihembrar

5 Walzenspundmaschine (f)
tonguing and grooving machine with revolving cutter block
machine (f) à cylindres pour faire des rainures et languettes



станокъ (m) для шпунтованія съ вальцевой подачей
macchina (f) per incastri a coltelli rotativi
máquina (f) de machihembrar de cilindros

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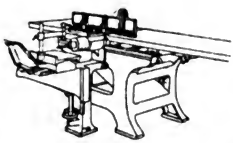
Universalabrichthobel- und Fügemaschine (f) mit Langlochbohrapparat
universal trying up planing and jointing machine with long hole boring apparatus
machine (f) universelle à dégauchir, à bouveter, à moulurer etc., pourvue d'un appareil à percer et à mortaiser horizontalement



универсальный строга[те]льный станокъ (m) для пригонки и фугованія съ продольно-сверлильнымъ приборомъ 1
piallatrice (f) universale con trapano
màquina (f) universal de labrar con barrena horizontal

Fügen (n) der Bretter
jointing the boards
jointage (m)

фугованіе (n) досокъ
congiungimento (m) di tavole 2
ensamblaje (m)

Fugenfläche (f)
jointing surface *or* edge
joint (m)

a

стыкъ (m) *или* кантъ (m) доски
piano (m) di contatto, giunta (f), superficie (f) della congiunzione 3
superficie (f) de ensamblaje

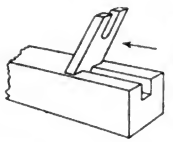
---

fügen (v)
to joint
jointer (v)

фуговать; пригнать
tirare (v) a filo 4
ensamblar (v)

---

nuten (v)
to groove
rainer (v)



пазовать; фальцевать; желобить
scanalare (v), fare (v) un incastro 5
ranurar (v), sacar (v) ranuras

Nut[e] (f)
groove
rainure (f)

a

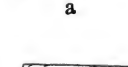
паз (m); фальцъ (m); жёлобъ (m)
scanalatura (f), incastro (m), femmina (f) 6
ranura (f)

Nutlänge (f)
length of groove
longueur (f) d'une rainure

a

длина (f) паза; длина фальца; длина жёлоба
lunghezza (f) di una scanalatura *o* di un incastro *o* di una femmina 7
largo (m) de ranura

Feder (f)
tongue
languette (f)



a

гребень (m)
linguetta (f), maschio (m) 8
lenguetta (f), espiga (f)

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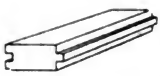
1 Spunden (n) der Bretter
grooving and tonguing of boards
bouvetage (m) des planches



шпунтованіе (n) досокъ
incastratura (f) di una tavola
machihembrado (m) de las tablas

---

2 spunden (v), mit Nut und Feder versehen (v)
to groove and tongue
bouveter (v), rainurer (v) et languetter (v)

шпунтовать; снабжать пазомъ и гребнемъ
sagomare (v) una tavola a maschio e femmina, fare (v) maschi e femmine
machihembrar (v), provecer (v) de macho y hembra

---

3 Spund (m)
groove and tongue
bouvette (f), rainure (f) et languette (f)

шпунтъ (m)
maschio (m) e femmina (f)
macho (m) y hembra (f)

---

4 Spundung (f)
grooving and tonguing
bouvetage (m), assemblage (m) de rainure et languette

шпунтовое соединеніе (n); шпунтъ (m)
congiunzione (f) *od* incastratura (f) a maschio e femmina
machihembrado (m)

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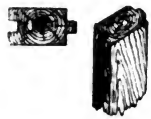
5 Quadratspundung (f)
square grooving and tonguing
bouvetage (m) rectangulaire



квадратный шпунтъ (m)
congiunzione (f) *od* incastrarura (f) a maschio e femmina quadrati
machihembrado (m) á ángulo recto

---

6 Keilspundung (f)
vee grooving and tonguing
bouvetage (m) triangulaire

треугольный шпунтъ (m)
congiunzione (f) *o* incastratura (f) a maschio e femmina triangolari
machihembrado (m) triangular

---

7 Spundpfahl (m)
grooved post
barre (f) bouvetée, montant (m) à feuillures

шпунтовая свая (f)
palo (m) scanalato, travetto (m) scanalato
montante (m) acanalado

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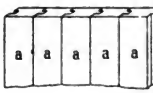
8 Spundbohle (f)
grooved plank
madrier (m) bouveté

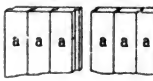


a

шпунтовый брусъ (m)
tavolone (m) con maschio e femmina
tablón (m) machihembrado

---

9 Verschalungsbrett (n)
match boarding
planche (f) pour assemblage (pour coffrage, cloison etc.)



a

обшивочная доска (f)
assicella (f) rivestimenti
tabloncillo (m) machihembrado (para paredes)

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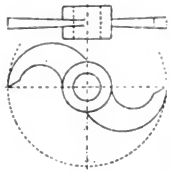
Nutkopf (m)
grooving cutter
outil (m) à rainer



пазовая головка (f); головка для выбирания паза
utensile (m) *o* portautensile (m) per scanalare
cabezal (m) de sacar ranuras *1*

Nutmesser (n), Nuteisen (n)
grooving iron
couteau (m) *ou* fer (m) à rainer

пазовый ножъ (m)
utensile (m) *o* coltello (m) da scanalare *o* fare femmine
cuchilla (f) de sacar ranuras *2*

Querschneide (f)
cross cutting edge
taillant (m) transversal

a

поперечная рѣжущая кромка (f)
tagliente (m) trasversale
corte (m) transversal *3*

Seitenschneide (f)
side cutting edge
taillant (m) latéral

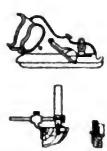
b

боковая рѣжущая кромка (f)
tagliente (m) laterale
corte (m) lateral *4*

Spundmesser (n), Spundeisen (n)
tonguing iron
couteau (m) *ou* fer (m) à bouveter

ножъ (m) для шпунтовъ
utensile (m) *o* coltello (m) per fare linguette *o* maschi
cuchilla (f) de machihembrar *5*

Nut- und Federhobel (m)
hand grooving and tonguing plane
bouvet (m) male et femelle



рубанокъ (m) *или* стругъ (m) для паза и гребня; нутубель (m) и федергубель (m); дорожникъ (m); пазовикъ (m)
pialla (f) per maschi e femmine
acanalador (m) de mano *6*

Holzfräsmaschinen

Spindle Moulding Machines for Wood

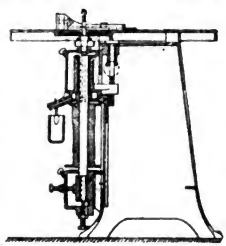
Machines à fraiser le bois

Деревофрезерные станки

Fresatrici per legno *7*

Máquinas de fresar madera

Fräsmaschine (f), Fräse (f), Holzfräsmaschine (f)
vertical spindle moulding machine
machine (f) à fraiser, fraiseuse (f) pour le bois, toupie (f)



фрезерный станокъ (m); деревофрезерный станокъ
fresatrice (f) per legno
fresadora (f) para madera, tupi (f) *8*

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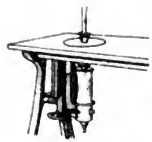
1 Tischfräsmaschine (f), Tischfräse (f)
moulding machine with table
fraiseuse (f) à table, toupie (f) verticale



фрезерный станокъ(m) со столомъ
fresatrice (f) a tavola per legno, toupie (f) con tavola
fresadora (f) de mesa con husillo vertical

---

2 doppelte Tischfräse (f)
double spindle moulding and shaping machine with table
fraiseuse (f) double à table, toupie (f) double

двойной фрезерный станокъ (m) со столомъ
fresatrice (f) doppia
fresadora (f) doble, tupi (f) de dos husillos

---

3 Oberfräse (f), Versenkmaschine (f), Bildhauerfräse (f)
recessing and shaping machine, top spindle moulder
fraiseuse (f) pour sculpteur *ou* défonceuse

верхній фрезерный станокъ (m); вертикально-фрезерный станокъ (m); скульптурный фрезерный станокъ
fresatrice (f) per intagliare
fresadora (f) con husillo de trabajo en el brazo superior [para trabajos de escultura etc.]

---

4 Bockfräse (f)
horizontal moulding machine on hollow standard
fraiseuse (f) à support, toupie (f) horizontale

фрезерный станокъ(m) на козлахъ
fresatrice (f) a colonna *od* a cavalletto
fresadora (f) montada sobre zócalo

---

5 Zahnmodellfräse (f)
toothed wheel (pattern) shaping machine
fraiseuse (f) pour modèles de roues dentées

фрезерный станокъ(m) для выдѣлки моделей зубчатыхъ колёсъ
fresatrice (f) per modellare denti
fresadora (f) para hacer modelos de dientes de engranajes

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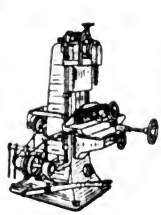
6 Kettenfräs[maschin]e (f)
chain cutter moulding machine
mortaiseur (m) à chaine dentée



цѣпной фрезерный станокъ (m)
fresatrice (f) a catena, macchina (f) a catena per fare cave
fresadora (f) de cadena cortante, escopleadora (f) de cadena de fresar

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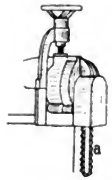
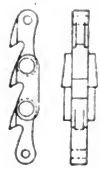
Fräserkette (f)
chain cutter
chaine (f) dentée



a

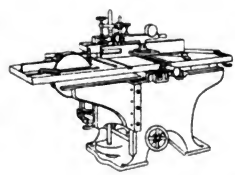
фрезерная цѣпь (f)
utensile (m) a catena, catena (f) tagliente 1
cadena (f) cortante, cadena (f) de fresar

Kettensäge (f)
chain *or* link tooth saw
scie (f) à dents articulées



цѣпная пила (f)
sega (f) a catena
sierra (f) de dientes articulados 2

Universaltischlereimaschine (f)
general joiner, general joiners' machine
machine (f) universelle à travailler le bois



универсальный столярный станокъ (m)
macchina (f) universale per legno 3
máquina (f) universal de labrar madera

Auskehlgerät (n), Kannelierapparat (m)
fluting apparatus
appareil (m) à canneler

приборъ (m) для выдѣлки желобковъ [на колоннахъ]
apparecchio (m) per scanalare *o* per sagomare *o* per profilare 4
aparato (m) de acanalar, aparato (m) de hacer estrías

Holzfräser (m), Fräser (m), Fräse (f)
cutter for spindle moulding machine
fraise (f) pour le travail du bois

фреза (f) для дерева; фрезеръ (m); шарошка (f) 5
fresa (f) per legno
fresa (f) para madera

Stabfräser (m)
rounding cutter
fraise (f) pour barreaux

планочная фреза (f) *или* шарошка (f); планочный фрезеръ (m) 6
fresa (f) per sagomare aste *o* per arrotondare
fresa (f) para varillas

Formfräser (m), Profilfräser (m)
profile cutter
fraise (f) à façonner, fraise (f) à profiler

фасонная фреза (f) *или* шарошка (f); фасонный фрезеръ (m) 7
fresa (f) per sagomare *o* per profilare
fresa (f) perfilada *ó* para perfilar

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1 Fügefräser (m)
jointing cutter
fraise (f) pour faire les joints

фуговальная фреза (f) *или* шарошка (f); фуговальный фрезеръ (m)
fresa (f) per spianare *o* per tirare a filo
fresa (f) para juntas

2 Falzfräser (m)
rebating cutter
fraise (f) à feuillures

фреза (f) *или* шарошка (f) *или* фрезеръ (m) для выбиранія четвертей *или* уголковъ
fresa (f) per mezzo a mezzo
fresa (f) para ensambladuras

3 Nutfräser (m)
grooving cutter
fraise (f) à rainures

пазовый фрезеръ; пазовая фреза (f) *или* шарошка (f); фрезеръ (m) для выбиранія пазовъ
fresa (f) per scanalature *o* per femmine
fresa (f) para ranuras

4 Spundfräser (m)
tonguing cutter
fraise (f) à bouveter, fraise (f) pour languettes

шпунтовая фреза (f) *или* шарошка (f); шпунтовый фрезеръ (m)
fresa (f) per linguette *o* per maschi
fresa (f) para machihembrar

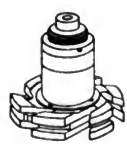
5 Kron[en]fräser (m)
profile cutter
fraise (f) à profiler

карнизная фреза (f) *или* шарошка (f); карнизный фрезеръ (m)
fresa (f) a campana per sagomare *o* per profilare
fresa (f) de corona para trabajos perfilados, molduras etc.

6 Auskehlfräser (m), Kannelierfräser (m)
moulding cutter
fraise (f) à canneler

фреза (f) *или* шарошка *или* фрезеръ (m) для нарѣзанія желобковъ
fresa (f) per scanalare *o* per sagomare *o* per profilare
fresa (f) de acanalar, fresa (f) de corona para molduras

7 Schnellfräser (m)
high speed cutter
fraise (f) rapide



быстро-рѣжущая фреза (f) *или* шарошка (f); быстрорѣжущій фрезеръ (m)
fresa (f) in acciaio rapido
fresa (f) rápida

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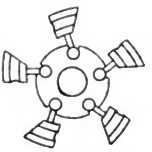
Fräser (m) mit beweglichen Flügeln
winged cutter
fraise (f) extensible



фреза (f) *или* шарошка (f) *или* фрезеръ (m) съ подвижными рѣзцами
fresa (f) con coltelli oscillanti
fresa (f) de aletas porta-cuchillas móviles

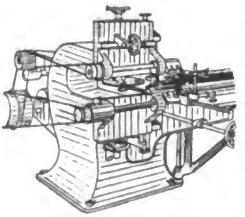
1

Messereinsetzgerät (n)
apparatus for fixing cutters
appareil (m) à fixer les couteaux

установочный приборъ (m) для ножей
apparecchio (m) per fissare i coltelli
aparato (m) de fijación de las cuchillas

2

Zapfenschneidmaschine (f), Zapfenschneid- und Schlitzmaschine (f)
tenoning machine
machine (f) à faire les tenons



шипорѣзный станокъ (m); станокъ для рѣзки шиповъ и выбиранія пазовъ
tenonatrice (f)
máquina (f) de hacer espigas

3

Latten- und Leistenschlitzmaschine (f)
rebating machine
machine (f) à faire les enfourchements

шипорѣзный станокъ (m) для рѣшетника и планокъ
tenonatrice (f) per listelli e sagome
máquina (f) de sacar ranuras para listones y varillas

4

Schlitzscheibe (f)
grooving cutter block
disque (m) à enfourchements

пазорѣзный дискъ (m)
portautensile (m) a disco per tenonatrice
disco (m) porta-cuchillas para sacar ranuras

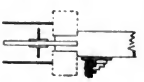
5

Zapfenschneidgerät (n)
tenoning apparatus
appareil (m) à faire les tenons

шипорѣзный приборъ (m)
apparecchio (m) per fare tenoni
aparato (m) de sacar espigas

6

Zapfen schneiden (v)
to tenon
tenonner (v)



нарѣзать шипы
fare (v) un tenone, tenonare (v)
cortar (v) espigas

7

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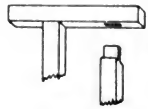
1 verzapfen (v)
to tenon and mortise
assembler (v) à tenon et mortaise



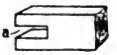
загонять шипъ въ гнѣздо
congiungere (v) con tenone e cava
espigar (v)

2 Zapfen (m)
tenon
tenon (m)

a

шипъ (m)
tenone (m)
espiga (f)

3 Schlitz (m)
notch for tenon
enfourchement (m)



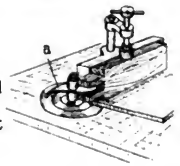
a

паз (m)
cava (f) *o* tenone (m) doppio
ranura (f) de espiga

4 Zapfenloch (n)
mortise
mortaise (f)

гнѣздо (n)
cava (f)
mortaja (f), agujero (m) de espiga

5 Schlitz- und Zapfeneisen (n)
cutter for tenons and mortises
fer (m) à enfourcher et à tenonner



a

пазорѣзъ (m) и шипорѣзъ (m)
utensile (m) *o* coltello (m) per tenonatrice
cuchilla (f) de espiga

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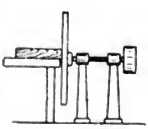
XII.

Sandpapiermaschinen
Sand Papering Machines
Machines à poncer au papier de verre

Шлифовальные станки со шкуркою
Politrici a carta vetrata
Máquinas de lijar

Schleifmaschine (f), Holzschleifmaschine (f)
disc sand papering machine
machine (f) à poncer le bois



шлифовальный станокъ (m) для дерева
politrice (f) per legno *1*
máquina (f) de lijar madera

Sandpapier[schleif]-maschine (f)
sand papering machine
machine (f) à poncer au papier de verre

шлифовальный станокъ (m) со шкуркою
politrice (f) a carta vetrata per legno *2*
máquina (f) de lijar

Sandpapiermaschine (f) zum Flächenschleifen
surface sand papering machine
machine (f) à poncer les surfaces

шлифовальный станокъ (m) со шкуркою для ровныхъ поверхностей
politrice (f) a carta vetrata per piani *3*
máquina (f) de lijar superficies

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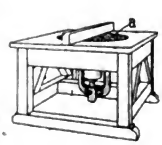
wag[e]rechte *oder* horizontale Sandpapierschleifmaschine (f)
horizontal disc sand papering machine
machine (f) à poncer horizontale avec plateau à papier de verre



горизонтальный шлифовальный станокъ (m) со шкуркою
politrice (f) a disco orizzontale ed a carta vetrata *4*
máquina (f) de lijar horizontal

Schleifscheibe (f)
sand disc
plateau (m) à poncer

a

шлифовальный дискъ (m)
disco (m) per polire *5*
disco (m) de lijar

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1 **doppelte Sandpapierschleifmaschine (f)**
double disc sand papering machine
machine (f) à poncer au papier de verre à double plateau

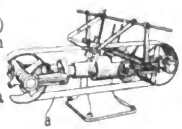
двойной шлифовальный станокъ (m) со шкуркою
politrice (f) a carta vetrata ed a due dischi
máquina (f) de lijar con dos discos centrales

2 Auflegetisch (m)
table
support (m)

a

столъ (m) для поддержки предметовъ
tavola (f)
mesa (f) de colocación

3 Riemenschleifmaschine (f), Schleifmaschine (f) mit endlosem Riemen
endless belt sanding machine
machine (f) à poncer à courroie



ременной шлифовальный станокъ (m); шлифовальный станокъ съ безконечнымъ ремнемъ *или* съ безконечной лентой
politrice (f) a nastro *od* a cinghia
máquina (f) de lijar de correa sin fin

4 Schleifriemen (m), Schleifband (n)
sand belt
courroie (f) à poncer

a

шлифовальный ремень (m); шлифовальная лента (f)
nastro (m) *o* cinghia (f) per polire
correa (f) *ó* cinta (f) de lijar

5 doppelte Riemenschleifmaschine (f)
double belt sanding machine
machine (f) à poncer avec deux courroies

двойной ременной шлифовальный станокъ (m)
politrice (f) doppia a nastro *od* a cinghia
máquina (f) de lijar de dos correas

6 Trommelschleifmaschine (f), Sandpapiermaschine (f) mit Schleiftrommel
drum sander
machine (f) à tambour-ponceur (au papier de verre)

шлифовальный станокъ (m) съ барабаномъ; шлифовальный станокъ съ барабаномъ, обтянутымъ шкуркою
politrice (f) a carta vetrata ed a tamburo
máquina (f) de lijar de tambor

7 **Schleiftrommel (f), Schleifwalze (f)**
sand *or* grinding cylinder
tambour (m) ponceur

a

шлифовальный барабанъ (m); шлифовальный валикъ (m)
tamburo (m) politore di politrice
tambor (m) *ó* cilindro (m) de lijar

8 Schleifmaschine (f) mit (Langbeinschem) Ausleger
radial arm sand papering machine
machine (f) à poncer à bras articulé (de Langbein)

шлифовальный станокъ (m) съ качающимся плечомъ [системы Лангбейна]
politrice (f) a braccio snodato
máquina (f) de lijar con brazo articulado »Langbein«

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schleifen (v), abschleifen (v)
to sand paper
polir (v), poncer (v)

шлифовать
polire (v)
pulir (v), lijar (v) *1*

Abschleifen (n) des Holzes
sand papering of wood
ponçage (m) du bois

шлифовка (f) дерева
politura (f) del legno
el lijar la madera *2*

Sandpapier (n)
sand paper
papier (m) de sable

песчаная бумага (f); шкурка (f)
carta (f) renata *o* coperta di rena
papel (m) de lija *3*

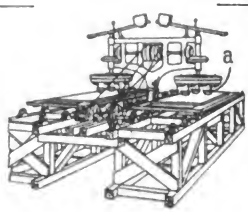
Glaspapier (n)
glass paper
papier (m) de verre

стеклянная бумага (f)
carta (f) vetrata
papel (m) de vidrio *4*

Flintsteinpapier (n)
flint glass paper
papier (m) de sable quartzeux

кремневая бумага (f)
carta (f) con polvere di quarzo
papel (m) de arena cuarzosa *5*

Poliermaschine (f)
polishing machine
machine (f) à polir *ou* à poncer



полировальный станокъ (m); полировочная машина (f)
macchina (f) da lucidare, lucidatrice (f)
máquina (f) de pulir superficies *6*

Polierballen (m)
polishing cup
polissoir (m) en forme de coupe

полировальный томпонъ (m)
lucidatore (m) a palla
tampón (m) de pulir *7*

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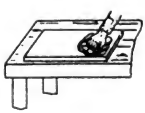
das Holz polieren (v)
to polish wood
polir (v) *ou* poncer (v) le bois



полировать дерево
lucidare (v) il legno
pulir (v) la madera *8*

Politur (f) des Holzes
wood polish
polissage (m) du bois

полировка (f) дерева
lucidatura (f) del legno
pulimento (m) de la madera *9*

Politurflüssigkeit (f), Politur (f)
liquid polish
matière (f) *ou* liquide (m) à polir

политура (f)
liquido (m) per polire, vernice (f) liquida
liquido (m) *ó* material (m) de pulir *10*

Politurlack (m)
varnish
vernis (m) à polir

полировальный лакъ (m)
vernice (f) per lucidare il legno, vernice (f) a pennello, lacca (f)
barniz (m) de pulir *11*

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1	Spirituslack (m) spirit *or* clear varnish vernis (m) à l'alcool	спиртный лакъ (m) vernice (f) a spirito barniz (m) de alcohol
2	Auftragen (n) des Politurlackes varnishing application (f) du vernis à polir	наведеніе (n) полировальнаго лака applicazione (f) della vernice aplicación (f) del barniz de pulir
3	farbig polieren (v) to stain polir (v) en colorant	полировать красками verniciare (v) a colore, colorare (v) pulir (v) en colores
4	farbige Politur (f) stain matière (f) colorante pour polir	цвѣтная политура (f) vernice (f) colorata material (m) de pulimento en colores
5	Deckpolitur (f) finishing coat of varnish couche (f) de matière à polir	послѣдняя полировка (f) ultima mano (f) di vernice ultima mano (f) de barniz de pulir

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XIII.

Stemm- und Holzbohrmaschinen

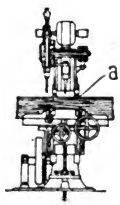
Mortising and Boring Machines

Machines à percer et à mortaiser pour le bois

Долбежные и сверлильные станки

Mortesatrici e trapani per legno

Máquinas de mortajar y barrenar para madera



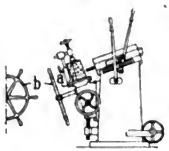
Stemmaschine (f)
mortising machine
machine (f) à mortaiser

долбёжный станокъ(m)
mortesatrice (f), stozzatrice (f), macchina (f) per far cave
mortajadora (f) con barrena vertical
1

Stützplatte (f)
holding down plate
cale (f)

a

упорная колодка (f)
piastra (f) di appoggio
calce (f)
2



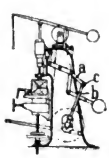
Platte (f), Befestigungsplatte (f)
cramping table
plaque (f) de fixation

плита (f) для укрѣпленія предметовъ
tavola (f) di fissaggio
placa (f) de sujeción
3

Spillrad (n)
capstan hand wheel
volant (m) de commande de l'avance de la pièce

b

ручное колесо (n)
volante (m) di spostamento
volante (m) a mano para el avance de la mesa
4



Lenker (m)
link
dispositif (m) de direction

передаточный рычагъ (m)
leva (f) articolata
disposición (f) de conducción
5

a

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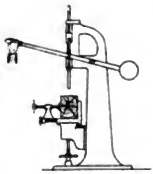
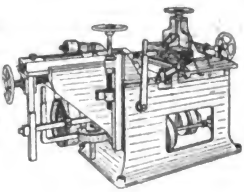
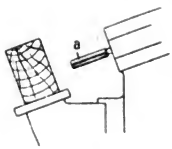
1	Lenkstange (f) connecting rod bielle (f)	b	шатунъ (m) biella (f) [di guida] biela (f)
2	Gelenkbolzen (m) pivot boulon(m)d'articulation	c	шарнирный болтъ (m) perno (m) perno (m) de articulación
3	Handstemmaschine (f) hand mortising machine mortaiseuse (f) à main, perceuse (f) à main		ручной долбёжный станокъ (m); ручная долбёжная машина (f) mortesatrice (f) *o* stozzatrice (f) a mano, macchina (f) per far cave a mano mortajadora (f) á mano
4	Langlochbohr- und Stemmaschine (f) boring und mortising machine for deep holes machine (f) à faire des mortaises profondes		продольно-сверлильный станокъ (m) съ долбёжнымъ приборомъ mortesatrice (f) *o* stozzatrice (f) combinata con trapano máquina (f) de barrenar y hacer mortajas profundas
5	Langlochbohrmaschine (f), [Nutmaschine (f)] slot mortising machine machine (f) à percer des trous longs		продольно-сверлильный станокъ (m) macchina (f) per forare *o* far cave máquina (f) de barrenar agujeros largos
6	Langlochbohrer (m) slot mortising bit foret (m) long		пазовое сверло (n) punta (f) per cave mecha (f) larga
7	Gehrungsschneidmaschine (f), Gehrungsschneidgerät (n) mitre cutting machine appareil (m) a couper en biais *ou* à onglets		станокъ (m) для рѣзки подъ угломъ trancia (f) per tagli ad angolo, trancia (f) per cornici máquina (f) de cortar al sesgo, máquina (f) de cortar ingletes

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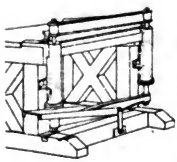
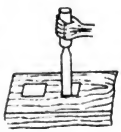
Holzschere (f)
wood gullotine *or* shears
cisaille (f) à [découper les bandes de] bois



ножницы (f pl) для дерева
trancia (f) per legno
cizalla (f) para cortar madera

1

Zapfenlöcher stemmen (v)
to cut mortise holes *or* mortises
mortaiser (v), creuser (v) une mortaise



долбить (выдалбливать) гнѣздо для шиповъ
mortesare (v), stozzare (v), far (v) cave
escoplear (v), mortajar (v)

2

Stemmstichel (m)
mortise chisel
bédane (m)

долбёжное долото (n)
bedano (m), scalpello (m)
bedano (m)

3

Lochbeitel (m)
mortise chisel
bec (m) d'âne, bédane (m)

шиповое долбёжное долото (n)
bedano (m), scalpello (m)
bedano (m)

4

Viereisen (n)
self-coring mortising chisels
bédane (m) à tranchants disposés en rectangle

долото (n) съ боковыми рѣжущими кромками
bedano (m) *o* scalpello (m) a tre taglienti
bedano (m) de cortes rectangulares, bedano (m) rectangular

5

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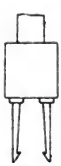
doppeltes Viereisen (n)
double mortising chisel
double bédane (m) rectangulaire



двойное долото (n) съ боковыми рѣжущими кромками
bedano (m) *o* scalpello (m) doppio a tre taglienti
bedano (m) rectangular doble

6

Hohlstichel (m)
hollow mortising chisel
bédane (m) creux

полое долото (n)
bedano (m) cavo con punta a spirale interna
bedano (m) *o* escoplo (m) hueco

7

Schraubenbohrer (m) des Hohlstichels
auger for hollow mortising chisel
mèche (f) hélicoidale du bédane creux

a

винтовое сверло (n) внутри полаго долота
punta (f) a spirale del bedano
mecha (f) espiral especial para bedanos huecos

8

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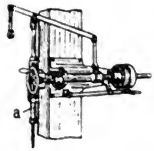
1 Lochbohrmaschine (f), Holzbohrmaschine (f)
wood boring *or* drilling machine
perceuse (f) [à bois]



деревосверлильный станокъ (m); сверлильный станокъ для дерева
trapano (m) per legno
máquina (f) de taladrar para madera

---

2 Bohrspindel (f)
boring spindle
porte-foret (m), porte-mèche (m)

a

сверлильный шпиндель (m)
mandrino (m) *o* albero (m) portapunta del trapano
husillo (m) porta-taladro

---

3 Bohrspindelbewegung (f) von Hand
hand feed of boring *or* drill spindle
avance (f) du porte-mèche à la main

надвиганіе (n) сверлильнаго шпинделя отъ руки
avanzamento (m) a mano del mandrino *o* dell'albero portapunta
bajada (f) del husillo de taladrar á mano

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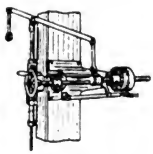
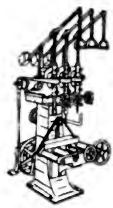
4 einspindlige [Loch-] Bohrmaschine (f)
single spindle boring *or* drilling machine
perceuse (f) a un porte-mèche *ou* à broche unique



одношпиндельный сверлильный станокъ (m); сверлильный станокъ съ однимъ шпинделемъ
trapano (m) ad una punta
máquina (f) de taladrar de un husillo para madera

---

5 mehrspindlige [Loch-] Bohrmaschine (f)
multiple spindle boring *or* drilling machine
machine (f) à percer triple, perceuse (f) à plusieurs porte-forets *ou* broches



многошпиндельный сверлильный станокъ (m); сверлильный станокъ съ нѣсколькими шпинделями
trapano (m) multiplo
máquina (f) de taladrar múltiple para madera

---

6 freistehende Bohrmaschine (f)
vertical drilling machine
machine (f) à percer isolée *ou* sur fût

свободно-стоящій сверлильный станокъ (m)
trapano (m) a colonna
máquina (f) de taladrar de columna

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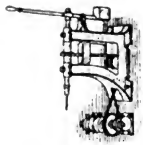
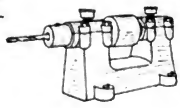


Wandbohrmaschine (f)
wall drilling machine
machine (f) à percer d'applique

стѣнной сверлильный станокъ (m)
trapano (m) murale *1*
máquina (f) de taladrar mural *ó* de pared

Schnellbohrmaschine (f)
high speed drilling machine
machine (f) à percer rapide

быстросверлильный станокъ (m)
trapano (m) rapido *o* veloce *2*
máquina (f) de taladrar rápida



kleine wag[e]rechte *oder* horizontale Bohrmaschine (f)
small horizontal boring machine
petite machine (f) à percer horizontale

малый горизонтальный сверлильный станокъ (m)
trapano (m) orizzontale piccolo *3*
pequeña máquina (f) de taladrar horizontal

Lochbohrer (m)
auger
foret (m), mèche (f)

сверло (n)
punta (f) a tortiglione *o* da girabecchino
barrena (f) helicoidal, mecha (f) helicóidal *ó* espiral *4*

Einziehschraube (f)
screwed centre point
pointe (f) de la mèche

a

втяжной винтъ (m)
punta (f) centrale a vite
punta (f) de introducción de la mecha *5*

Förderschraube (f)
spiral, helix
mèche (f)

b

винтовыя поверхности (f pl) для отвода стружекъ *6*
elica (f)
mecha (f) espiral

Lochbohrer (m) mit Vorschneider
auger bit with advance cutter
mèche (f) à saillies

сверло (n) съ боковыми кромками для подрѣзанія волоконъ
punta (f) ad orecchie *7*
mecha (f) *ó* barrena (f) espiral con labios cortantes

herabhängender Vorschneider (m)
end projecting advance cutter
pointe (f) en saillie

a

висячая боковая рѣжущая кромка (f)
tagliente (m) ad orecchie *8*
labio (m) cortante

Spitzbohrer (m)
common bit, pointed end drill
foret (m) à langue d'aspic

перовое сверло (n); обыкновенное сверло; пёрка (f)
punta (f) comune *9*
barrena (f) *ó* mecha (f) de punta aguda

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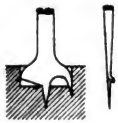
1 Schneckenbohrer (m)
gimlet bit, twisted shell bit
foret (m) hélicoïdal
fraiseur

улиткообразное сверло (n)
punta (f) da succhiello *od* a spirale
mecha (f) helicoidal, barreno (m) helicoidal

2 Zentrumbohrer (m)
centre bit
foret (m) à téton



центровое сверло (n)
punta (f) a tridente, punta (f) comune da girabecchino
mecha (f) de tres puntas

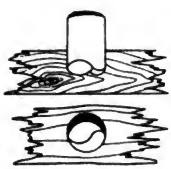
3 Versenker (m)
countersinking bit
fraise (f) conique, fraise (f) champignon

зенковка (f); зинковка (f); разбуровка (f)
acciecatoio (m)
avellanador (m)

4 Schraubenbohrer (m), Spiralbohrer (m)
twist drill, auger
foret (m) hélicoïdal *ou* américain

витое *или* спиральное сверло (n); американское сверло
punta (f) a tortiglione, punta (f) elicoidale
mecha (f) espiral americana

5 Löffelbohrer (m)
spoon bit
foret (m) à cuiller, gouge (f)



ложечное сверло (n)
punta (f) a sgorbia *od* a cucchiaio
mecha (f) de cañon *ó* de gubia, gubia (f)

6 Ringbohrer (m)
ring auger bit
foret (m) annulaire

сверло (n) съ кольцеобразной рѣжущей кромкой
punta (f) a corona piatta
mecha (f) anular de dos cortes

7 Aufräumer (m)
taper reamer, taper bit
dégorgeoir (m)

развёртка (f)
allargatoio (m), alesatore (m)
escariador (m)

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Gewindebohrer (m)
tap for wood
taraud (m) à bois

сверло (n) для нарѣзки гаекъ [въ деревѣ] 1
maschio (m) per legno
mecha (f) de roscar

Hohlbohrer (m)
hollow boring bit
foret (m), tarière (f)

цолое сверло (n) 2
punta (f) cava
mecha (f) hueca, taladro (m)

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XIV.

Holzdrehbänke und Kopiermaschinen

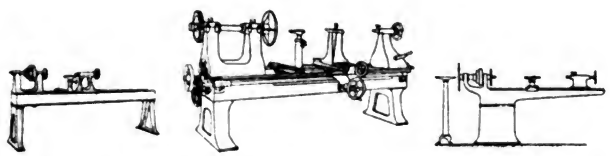
Wood Turning Lathes and Copying Lathes

Tours pour le travail du bois et machines à copier

Токарные по дереву станки и копировальные станки

Torni per legno e macchine da copiare o pantografi

Tornos para madera y copiadoras



1 Holzdrehbank (f)
wood turning lathe
tour (m) à bois

токарный по дереву станокъ (m)
tornio (m) per legno
torno (m) para madera

2 Drehstuhl (m)
oriental (hand) lathe
tour (m) à main

лучковый станокъ (m)
tornio (m) a mano
torno (m) primitivo á mano

3 Wippe (f), Wippdrehbank (f)
dead centre *or* pole lathe
tour (m) à pédale

токарный станокъ (m) съ лучковымъ ножнымъ приводомъ; ножной лучковый токарный станокъ
tornio (m) a violino a pedale
torno (m) primitivo á pedal

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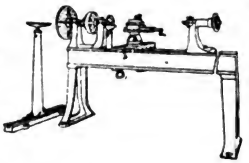
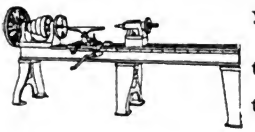
Supportholzdrehbank (f)
wood turning lathe with hand tool rest
tour (m) à bois avec chariot à main



обыкновенный токарный по дереву станокъ (m) съ суппортомъ
tornio (m) con sopporto a croce
torno (m) para madera con carro-soporte

1

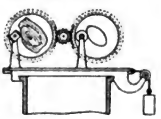
Universalholzdrehbank (f)
universal wood turning lathe
tour (m) universel à bois



универсальный токарный по дереву станокъ (m)
tornio (m) universale per legno
torno (m) universal para madera

2

Schablonendrehbank (f)
lathe for repitition work, lathe for reproducing
tour (m) à reproduire



токарный станокъ (m) для точки по шаблону
tornio (m) da copiare
torno (m) de reproducir

3

Passigdrehbank (f)
lathe for eccentric turning
tour (m) à guillocher

токарный станокъ (m) для точки некруглыхъ предметовъ
tornio (m) da sagomare
torno (m) para grabar

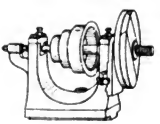
4

Ovaldrehbank (f)
oval turning lathe
tour (m) ovale

токарный станокъ (m) для точки предметовъ овальнаго сѣченія; овально-токарный по дереву станокъ
tornio (m) da tornire ovale
torno (m) para tornear ovalado

5

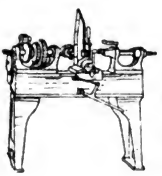
Ovalwerk (n)
oval mechanism
poupée (f) de tour ovale



патронъ (m) для точки предметовъ овальнаго сѣченія
apparecchio (m) per ovali
cabezal (m) de torno para tornear ovalado

6

Kopiermaschine (f), Fassonniermaschine(f)
copying lathe
machine (f) à façonner *ou* à copier *ou* à reproduire



копировальный станокъ (m); копировальная машина (f)
macchina (f) da copiare *o* da sagomare
torno (m) de copiar

7

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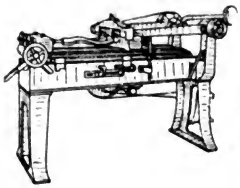
1

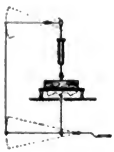
doppelte Kopiermaschine (f)
double copying machine
machine (f) double à copier



двойной копировальный станокъ (m)
macchina (f) doppia da copiare
copiadora (f) doble

2

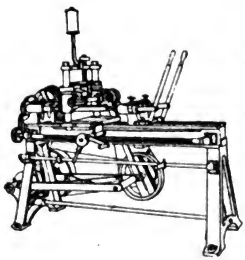
Linkskopiermaschine (f)
left hand copying machine
fraiseuse (f) à reproduire [dite »à gauche«]



копировальный станокъ (m) для обратныхъ профилей
macchina (f) da copiare secondo sagoma (a sinistra)
fresadora-copiadora (f) á izquierda

3

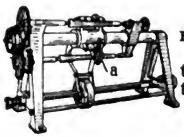
Speichenkopiermaschine
spoke copying machine (f)
tour (m) pour reproduire les rayons de roues



копировальный станокъ (m) для выдѣлки спицъ
macchina (f) da copiare raggi
copiadora (f) especial para rayos de ruedas

4

Kopierdrehbank (f)
copying lathe
tour (m) à copier *ou* à façonner



копировально-токарный станокъ (m)
tornio (m) da copiare
torno-copiador (m)

5

Kopierrolle (f)
copying roller
galet (m) de gabarit

a

копировальный роликъ (m)
rotella (f) copiatrice
rodaja (f) de copiar

6

Kopierfräsmaschine (f)
copying milling machine
tour (m) à fraise à copier

копировальный фрезерный станокъ (m)
fresatrice (f) da copiare
fresadora-copiadora (f)

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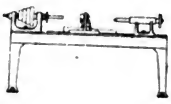
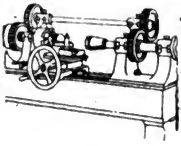
Formdrehbank (f), Fassondrehbank (f), Drehbank (f) mit Kurvensupport
profiling lathe with curved rest
tour (m) à façonner avec porte-outil à profiler



фасонный токарный станокъ (m); токарный станокъ съ движеніемъ суппорта по шаблону
tornio (m) da sagomare, tornio (m) con sopporto a guide curve
torno (m) de perfilar con soporte para curvas

1

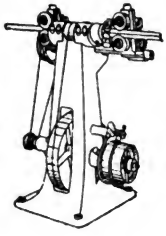
Holzkugeldrehbank (f)
wood ball turning lathe
tour (m) pour boules en bois



токарный станокъ (m) для точенія *или* для точки шаровъ
tornio (m) per sfere di legno
torno (m) para hacer bolas de madera

2

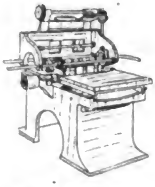
Rundstabhobelmaschine (f)
rod turning machine, rounding machine
tour (m) pour bâtons ronds *ou* à façonner des barreaux cylindriques



станокъ (m) для обтачиванія квадратныхъ стержней *или* брусочковъ
macchina (f) per arrotondare bastoni
máquina (f) de hacer palos redondos

3

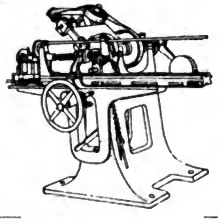
Runddrehmaschine (f) für gebogene Hölzer
bent wood turning machine
machine (f) à tourner les bois courbés



токарный станокъ (m) для гнутаго дерева
macchina (f) per arrotondare legno incurvato
máquina (f) de tornear palos curvados

4

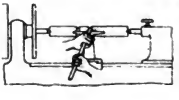
Schnitzmaschine (f), Kopiermaschine (f)
copying machine
machine (f) à sculpter



рѣзной станокъ (m), работающій по шаблону; копировальный станокъ (m)
pantografo (m) macchina (f) da copiare per scolpire
máquina (f) de copiar

5

[Holz] drehen (v), drechseln (v)
to turn [wood]
tourner (v) le bois



точить *или* обтачивать дерево на токарномъ станкѣ
tornire (v) legno
tornear (v) madera

6

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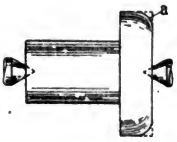
1 Abrunden (n)
rounding off
tournage (m) en arrondissant

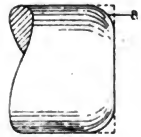


обточка (f); округленіе (n)
arrotondatura (f)
redondeado (m) de los cantos

2 abrunden (v)
to round off
arrondir (v)

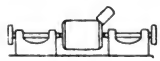
обтачивать; округлять
arrotondare (v)
redondear (v)

3 Abrundung (f)
rounding off
arrondi (m)



закругленіе (n)
arrotondatura (f)
redondeado (m)

4 Abfasen (n)
chamfering off
biseautage (m)



скашиваніе (n)
smussatura (f)
biselado (m)

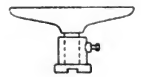
5 abfasen (v)
to chamfer
biseauter (v)

скашивать
smussare (v)
biselar (v)

6 abgefaste Kante (f)
chamfered edge
arête (f) taillée en biseau *ou* biseautée

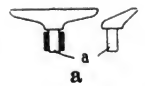
скошенная кромка (f) *или* фаска (f)
angolo (m) smussato
canto (m) biselado

7 Auflage (f), Vorlage (f)
hand tool rest
support (m) à main



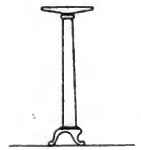
подручникъ (m)
sopporto (m) a ventaglio
apoyo (m) para la mano

8 Einsteckschiene (f)
shank of tee rest
support (m) à enfourcher



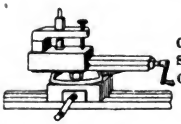
стержень (m) подручника
perno (m) (di fissaggio)
espiga (f) de colocación

9 Ständerauflage (f)
hand tool rest on stand
support (m) à colonne



подручникъ на стойкѣ (f)
colonna (f) con sopporto
apoyo (m) sobre columna

10 Support (m)
slide rest
chariot (m)



суппортъ (m)
sopporto (m) a croce
carro (m)

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Höhensupport (m) zum Fräsen
adjustable milling rest
support (m) à fraise montant et descendant

суппортъ (m) для фрезованія, переставливаемый по высотѣ
sopporto (m) verticale per fresare
soporte (m) móvil para fresar
1

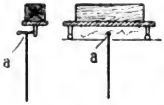
Felgenbohrsupport (m)
wheel felloe [*or* rim] boring rest *or* table
support (m) montant et descendant pour percer les jantes

суппортъ (m) для сверленія косяковъ
sopporto (m) per forare le corone delle ruote
soporte (m) para barrenar llantas
2

Werkzeugführung (f) durch Lehren
guidance of the tool in conformity with the gauge
guidage (m) de l'outil suivant un gabarit

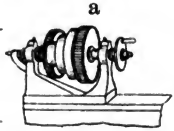
направленіе (n) инструмента по шаблону
condotta (f) dell'utensile secondo sagoma
conducción (f) de las herramientas por plantillas
3

Führungsstift (m)
guide pin *or* finger
doigt (m) *ou* tige (f) de guidage



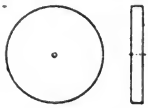
направляющій стержень (m)
dito (m) *o* punta (f) di guida
espiga (f) de conducción
4

Spindelstock (m)
fast head stock
poupée (f)



передняя или шпиндельная бабка (f)
testa (f) del tornio
cabezal (m) principal
5

Scheibe (f)
disc
plateau (m)

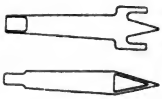


шайба (f); круглая пластина (f)
piattaforma (f)
disco (m), plato (m)
6

Spitze (f)
point
pointe (f)

центръ (m)
punta (f)
punta (f)
7

Dreizack (m), Zwirl (m), dreizackige Spindelspitze (f)
three pronged fork centre
pointe (f) triple d'arbre de tour, trident (m)



трёхзубая вилка (f)
punta (f) a tridente
punta (f) de torno de triple punta
8

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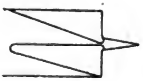
vierzackige Spindelspitze (f)
four pronged fork centre
pointe (f) quadruple d'arbre de tour



четырёхзубая вилка (f)
punta (f) a quattro denti
punta (f) cuadruple de torno
9

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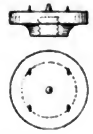
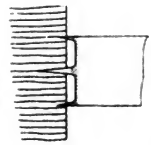


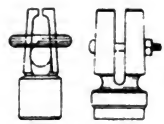
1 Stachelfutter (n)
chuck with holdfasts
mandrin (m) à pointes

зубчатый патронъ (m)
piattaforma (f) a punte
plato (m) de puntas



2 Spindelspitze (f) mit scharfem Ring
ring centre
pointe (f) d'arbre avec anneau taillé à angle aigu

вилка (f) съ острымъ кольцомъ
punta (f) ad anello tagliente
punta (f) de husillo con anillo de corte agudo

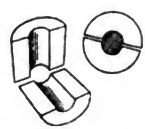


3 Klemmfutter (n), Spannfutter (n)
clamping chuck
mandrin (m) de fixation

зажимной патронъ (m)
mandrino (m) a morsetto
mandril (m) de sujeción

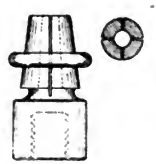
4 Spundfutter (n), Einschlagfutter (n)
socket chuck
mandrin (m) creux

простой патронъ (m)
mandrino (m) cavo
mandril (m) de agujero simple



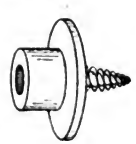
5 Teilspund (m)
socket in halves
mandrin (m) creux en deux parties

патронъ (m), состоящій изъ двухъ частей
mandrino (m) cavo diviso
mandril (m) partido



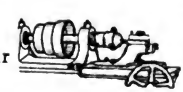
6 Kreuzspund (m), Kreuzfutter (n)
split socket chuck
mandrin (m) creux en quatre sections

патронъ (m), состоящій изъ четырёхъ частей
mandrino (m) spaccato
mandril (m) partido en cruz



7 Schraubenfutter (n)
screw point chuck
mandrin (m) à visser

патронъ (m) на винтъ
mandrino (m) a vite
mandril (m) con espiga de tornillo



8 Kugelspannfutter (n)
ball turning chuck
mandrin (m) creux pour boules

патронъ (m) для закрѣпленія шаровъ
mandrino (m) per sfere
mandril (m) para sujetar bolas

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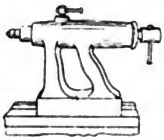
Reitstock (m)
poppet head, tail stock
contre-poupée (f)



задняя *или* подвижная бабка (f)
contropunta (f)
contra-punta (f), cabezal (m) de contra-punta

1

Reitstockspitze (f)
tail centre
pointe (f) de la contre-poupée

центръ (m) задней *или* подвижной бабки
punta (f) della contro-punta
punta (f) del cabezal de contra-punta

2

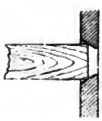
Brillenständer (m)
stay
[support (m) à] lunette (f)

a

стойка (f) съ люнетомъ
sopporto (m) della lunetta
porta-luneta (m)

3

Brille (f), Hohldocke (f)
stay bush
lunette (f)



люнетъ (m)
lunetta (f)
luneta (f)

4

Drehstichel (m), Drehstahl (m), Meißel (m)
turning tool
outil (m) pour tourner, ciseau (m), burin (m), couteau (m)

токарный рѣзецъ (m); токарное долото (n)
scalpello (m) da tornitore
buril (m), acero (m) de tornear

5

Schrotstahl (m), Schruppmesser (n)
roughing tool
ciseau (m) *ou* burin (m) à dégrossir

рѣзецъ (m) для черновой обработки
scalpello (m) da tornitore per sbozzare
acero (m) de desbastar

6

Plattstahl (m)
flat pointed roughing tool
ciseau (m) *ou* burin (m) plat à dégrossir

плоскій рѣзецъ (m) для черновой обработки
ferro (m) *o* utensile (m) per sbozzare, scalpello (m) piatto
buril (m) plano

7

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Hohlbeitel (m)
1 gouge
gouge (f)

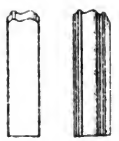
полукруглое долото (n)
sgorbia (f)
gubia (f)

Drehröhre (f)
2 turning gouge
ciseau (m) à lame cintrée

полукруглое долото (n)
sgorbia (f) stretta
gubia (f) de cañón

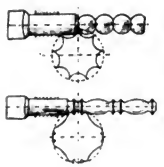
Hohlkehlenstahl (m)
wood turning tool for
3 shaping grooves
ciseau (m) pour rainures demi-rondes

полукруглое долото (n) для вынимания галтелей
scalpello (m) per tornire cave
buril (m) para media caña



Formstichel (m), Fassonmesser (n), Profilmesser (n)
4 profiling *or* figure forming tool
couteau (m) à profiler

фасонный ножъ (m): профильный ножъ
scalpello (m) sagomato *o* profilato, coltello (m) per sagomare
cuchilla (f) perfilada, cuchilla (f) de moldear



drehbarer Formstichel (m)
5 circular profiling tool
outil (m) à profiler tournant

поворотный фасонный ножъ (m)
utensile (m) girevole per sagomare *o* per profilare
herramienta (f) de perfilar giratoria

Ausdrehstahl (m), Ausdrehhaken (m).
6 boring tool
lame (f) *ou* couteau (m) de finissage

крючокъ (m) [для точенія]
scalpello (m) per scavare internamente
hierro (m) para limpiar

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Bodeneisen (n)
cranked *or* inside corner tool
couteau (m) pour tourner les fonds

крючокъ (m) для обточки дна
utensile (m) per tornire i fondi
hierro (m) para fondear

Krummeißel (m)
hook tool
lame (f) recourbée

изогнутый крючокъ (m)
utensile (m) curvo per scavare 2
hierro (m) curvado

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XV.

Zinkenschneidmaschinen und Rahmenmaschinen

Dove Tailing and Corner Locking Machines

Machines à faire les tenons à queue (pour caisses) et à assembler

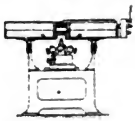
Шипорѣзные станки и станки для выдѣлки рамъ

Macchine per far giunture ad incastri e macchine per congiungere telai di legno

Máquinas para cortar empalmes de espigas para tablas de madera, máquinas de ensamblar

---

1 Zinkenschneidmaschine (f), Maschine (f) zum Schneiden von Zinken
dovetailing machine
machine (f) à faire les tenons (pour caisse)



шипорѣзный *или* шиповальный *или* лапорѣзный станокъ (m); станокъ для рѣзки шиповъ
macchina (f) per far giunture ad incastri
máquina (f) de cortar empalmes

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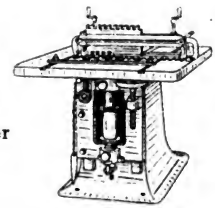
2 Zinkenfräsmaschine (f), Zinkenfräse (f)
spindle moulder for dovetailing
machine (f) à fraiser les tenons



шипорѣзный фрезерный станокъ (m); станокъ для рѣзки шиповъ; шиповальный фрезеръ (m)
fresatrice (f) per fresare giunture ad incastri
máquina (f) de fresar empalmes

---

3 Zinkenfräsmaschine (f) mit Kreissäge, Zinkensäge (f)
corner locking *or* dovetailing machine with circular saw
machine (f) à fraiser les tenons avec scie circulaire

шипорѣзный *или* шиповальный [фрезерный] станокъ (m) съ круглою пилою; лапорѣзная пила (f)
sega (f) circolare per fresare giunture ad incastri
máquina (f) de fresar empalmes con sierra circular

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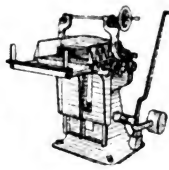
Zinkenmaschine (f) für gerade Zinken
machine for corner locking *or* combing
machine (f) à faire les tenons droits



шипорѣзный *или* шиповальный станокъ (m) для прямыхъ шиповъ
macchina (f) per far giunture ad incastri diritti
máquina (f) de hacer empalmes de espigas derechas

1

Zinkenmaschine (f) für schräge Zinken
machine for diagonal dovetailing *or* angle locking
machine (f) pour faire les tenons obliques

шипорѣзный *или* шиповальный станокъ (m) для косыхъ шиповъ
macchina (f) per giunture ad incastri obliqui
máquina (f) de hacer empalmes de espigas oblicuas

2

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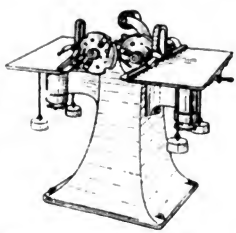
doppelte Zinkenmaschine (f)
double dovetailing *or* corner locking machine
machine (f) double pour tenons



двойной шипорѣзный *или* шиповальный станокъ (m)
macchina (f) doppia per giunture ad incastri
máquina (f) doble de hacer empalmes de espigas

3

Zinken[hand]säge (f)
hand saw for cutting dovetails
scie (f) à tenon pour queues d'aronde

шипорѣзная *или* шиповальная *или* лапорѣзная лучковая пила (f)
sega (f) a mano ad incastri
sierra (f) á mano para cortar empalmes de cola de milano

4

Zinkenfuchsschwanz(m)
pad saw for cutting dovetails
scie (f) à poignée pour tenons

шипорѣзная *или* шиповальная *или* лапорѣзная ножёвка (f)
saracco (m) ad incastri
sierra (f) de empuñadura de cortar espigas de empalme

5

Zinken schneiden (v)
to cut dovetails
tailler (v) des tenons

нарѣзать шипы
tagliare (v) incastri
cortar (v) empalmes

6

Zinke (f)
male dovetail, pin
tenon (m) à queue d'hironde (pour assemblage)

a

шипъ (m)
incastro (m)
empalme (m), espiga (f) de empalme de cola de milano

7

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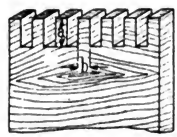
1 Zinkenteilung (f)
pitch of dovetails, pitch of pin and space
division (f) des tenons

a

шагъ (m) *или* дѣленіе (n) шипового соединенія
passo (m) *o* distanza (f) degli incastri
división (f) de los empalmes

2 Zinkenlänge (f)
depth of pin
hauteur (f) du tenon



a

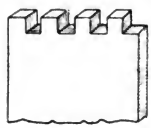
глубина (f) шипа
altezza (f) degli incastri
altůra (f) de las espigas de empalme

3 Zinkenbreite (f)
width of pin
largeur (f) du tenon

b

ширина (f) шипа
larghezza (f) dell'incastro *o* del dente
anchura (f) de las espigas de empalme

4 gerade Zinke (f)
corner locking *or* combing
tenon (m) droit

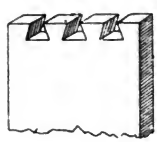


прямой шипъ (m)
incastro (m) diritto
empalme (m) de espiga derecha

5 schräge Zinke (f)
diagonal corner locking *or* dovetailing
tenon (m) oblique

косой шипъ (m)
incastro (m) obliquo
espiga (f) de empalme inclinada

6 schwalbenschwanzförmige Zinke (f)
dovetailing
queue (f) d'aronde



шипъ (m) въ видѣ лаπточкина хвоста: лапа (f) -сковородень (m)
incastro (m) a coda di rondine
espiga (f) de empalme de cola de milano

7 offene Zinken (f pl)
ordinary dovetailing
queues (f pl) (d'aronde) passantes *ou* traversantes

сквозные шипы (m pl)
giuntura (f) incastrata passante *od* aperta
empalme (m) abierto de colas de milano

8 [ganz] verdeckte Zinken (f pl), geschlossene Zinken (f pl), Gehrungszinken (f pl)
secret dovetailing
queues (f pl) (d'aronde) à mi-bois

потайные *или* глухіе *или* крытые шипы (m pl)
giuntura (f) incastrata mascherata *o* coperta
empalme (m) cubierto

9 gezinktes Brett (n)
dovetailed board, corner locked board
planche (f) assemblée *ou* avec assemblage à queue (d'aronde)

доска (f) съ шипами
assicella (f) con giunture ad incastri
tabla (f) con empalme (de colas de milano)

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eine Anzahl Bretter auf einmal verzinken (v)
to dovetail a number of boards at one operation
faire (v) des queues d'aronde dans plusieurs planches d'un seul coup

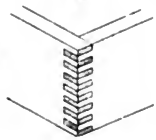
нарѣзать шипы на нѣсколькихъ доскахъ сразу
tagliare (v) la giuntura incastrata in un numero di assicelle in una volta sola
cortar (v) los empalmes de varias tablas en una sola vez

1

zusammengezinkt (adj), [zusammengezapft (adj)]
dovetailed (adj)
assemblé (adj) à queue d'aronde

связанный шипами
incastrato (agg)
ensamblado (m) con empalmes de cola de milano, empalmado (adj)

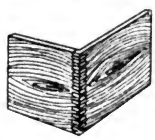
2



Brettcheneckverbindung (f)
corner locked boards
assemblage (m) en équerre des bouts de planche à tenons droits

вязка (f) досокъ подъ угломъ
assicelle (f pl) unite con giunture incastrate, unione (f) del bordo di assicelle
ensamblado (m) de tablitas por la esquina

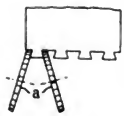
3



Messerscheibe (f)
cutter disc
disque (m) à couteaux

дисковый ножъ (m)
disco (m) da fresare
disco (m) de cuchilla

4



a

pyramidenförmiger Messerkopf (m) für schräge Zinken
pyramid formed cutter block for diagonal corner locking
porte-couteaux (m) de forme pyramidale pour tenons *ou* queues d'aronde obliques

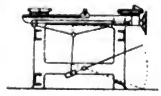
пирамидальная ножевая головка (f) *или* пирамидальный ножевикъ (m) для косыхъ шиповъ
portacoltelli (m) a piramide per incastri obliqui
cabezal (m) de cuchillas en forma de pirámide para empalmes de espigas oblicuas

5

Rahmenmaschine (f)
box frame assembling machine
machine (f) à assembler les planchettes à tenons

станокъ (m) для выдѣлки рамъ
macchina (f) per intelaiature
máquina (f) de ensamblar *ó* empalmar marcos

6



Maschine (f) zum Zusammenfügen von Kisten
box jointing and assembling machine
machine (f) à assembler les caisses

станокъ (m) для сборки ящиковъ
macchina (f) per congiungere casse
máquina (f) de ensamblar cajas

7

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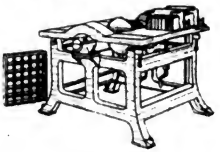
1 Kastenzwinge (f)
box cramp
appareil (m) à assembler (à angle droit) les planches de caisse

зажимъ (m) для сборки ящиковъ
morsa (f) per congiungere casse
aparato (m) de ensamblar tablitas de cajas

2 Kistennagelmaschine (f)
box nailing machine
machine (f) a clouer les caisses

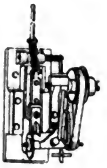
станокъ (m) для вбиванія гвоздей въ ящики
macchina (f) per inchiodare le casse
máquina (f) de clavar cajas de madera

3 Flaschenkastenmaschine (f)
bottle case (box) making machine
machine (f) à faire les caisses à bouteilles



станокъ (m) для выдѣлки бутылочныхъ ящиковъ
macchina (f) per fare armadi da bottiglie
máquina (f) de hacer cajas de botellas

4 Kreuzsprossenmaschine (f), Fenstersprossenmaschine (f)
window sash bar making machine
machine (f) à faire les croisées de fenêtre



станокъ (m) для выдѣлки оконныхъ переплётовъ
macchina (f) per far traverse da serramento
máquina (f) de hacer travesaños cruzados de ventanas

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XVI.

Spaltmaschinen

Wood Splitting Machines

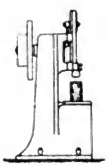
Machines à fendre le bois

Станки для раскалыванія дерева; дровоколки

Macchine per spaccare legna

Máquinas de partir madera *ó* leña

Holzzerkleinerungsmaschine (f)
wood splitting machine
machine (f) à fendre les bûches



дровоколка (f)
macchina (f) per spaccare legna *1*
máquina (f) de partir leña

Spaltmaschine (f), (Brenn-)Holzspaltmaschine (f)
firewood splitting machine
machine (f) à fendre le bois de chauffage *ou* les bûches

дровокольный станокъ (m); машина (f) для колки дровъ; дровоколка (f)
macchina (f) per spaccare legna (da ardere) *2*
máquina (f) de partir leña

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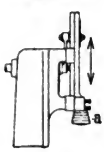
auf- und niedergehendes Beil (n)
chopper with vertical reciprocating motion
hache (f) montante et descendante



вертикально движущійся топоръ (m) *или* колунъ (m)
ascia (f) con movimento alternativo *3*
hacha (f) *ó* cuchilla (f) de partir de movimiento de subir y bajar

a

---

doppelte (Brennholz-) Spaltmaschine (f)
double wood splitting machine
machine (f) double pour fendre le bois de chauffage

двойной дровокольный станокъ (m); двойная дровоколка (f)
macchina (f) doppia per spaccare legna (da ardere) *4*
máquina (f) de partir leña doble

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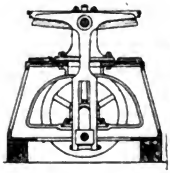
1 Doppelhacke (f), Doppelbeil (n)
double chopper
double hache (f)

a

двойной топоръ (m) *или* колунъ (m)
ascia (f) doppia, scure (f) doppia
hacha (f) doble

2 schwingendes Doppelbeil (n)
double oscillating chopper
double hache (f) oscillante



качающійся двойной топоръ *или* колунъ (m)
ascia (f) doppia oscillante *od* a bilanciere
hacha (f) doble oscilante

3 Spaltfallwerk (n), Fallwerk (n) zum Holzspalten
"kick stamp" for wood blocks
mouton (m) à fendre le bois

дровокольный штампъ (m); штампъ для колки дерева
maglio (m) *o* berta (f) per spaccare legna (da ardere)
martillo (m) de caída para partir madera

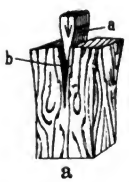
4 Spalten (n)
splitting
fendage (m)

колка (f); раскалываніе (n)
spaccatura (f)
operación (f) de partir madera

5 spalten (v)
to split
fendre (v)

колоть; раскалывать
spaccare (v)
partir (v) [madera]

6 Spaltkeil (m)
splitting wedge
coin (m) pour fendre



клинъ (m) для раскалыванія
cuneo (m) da spaccare
cuña (f) de partir

a

7 Spaltfuge (f)
split
fente (f)

b

поверхность (f) раскола
spaccatura (f)
raja (f)

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XVII.

Holzbiegemaschinen und Pressen

Wood bending Machines and Presses

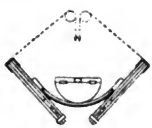
Machines à courber le bois et presses à bois

Станки для гнутья дерева и прессы

Curvatrici e presse per legno

Máquinas de curvar madera y prensas

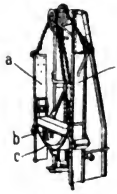
Holzbiegemaschine (f)
wood bending machine
machine (f) à courber le bois



станокъ (m) для гнутья *или* для сгибанія дерева
macchina (f) per curvare il legno, curvatrice (f) per legno
maquina (f) de curvar madera

1

Biegebalken (m), Biegearm (m), Spannarm (m)
bending arm
bras (m) pour courber (les bois)



сгибающій рычагъ (m)
braccio (m) per curvare (il legno)
viga (f) de curvar, brazo (m) de curvar, brazo (m) de torsión

2

a

Biegemodell (n)
bending block
forme (f) pour courber

b

форма (f) для гнутья
blocco (m) *o* modello (m) *o* sagoma (f) per curvare (il legno)
modelo (m) de curvar

3

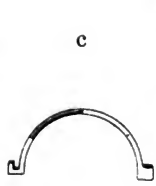
Biegeblech (n)
bending plate
forme (f) en tôle pour courber

c

металлическая оправа (f) для гнутья
rivestimento (m) di lamiera
chapa (f) de curvar

4

Holzbiegeform (f)
wood bending template
forme (f) pour courber les bois



форма (f) для гнутья дерева
sagoma (f) per curvare il legno
molde (f) de curvar la madera

5

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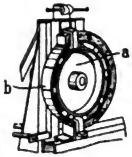
1 dreiteilige Biegeform (f) | three part bending block | forme (f) en trois parties pour courber

форма (f) для гнутья, состоящая изъ трёхъ частей | sagoma (f) in tre parti per curvare (il legno) | molde (f) de curvar de tres partes



2 Biegetrommel (f) | bending drum | tambour (m) à courber (les jantes)

барабанъ (m) для гнутья | tamburo (m) da curvare (il legno) | tambor (m) de curvar (los aros)

a

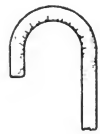
3 Biegering (m), Biegungsring (m) | bending ring | bandage (m) (servant à courber *ou* empêcher l'arrachement)

b

кольцо (n) для гнутья | anello (m) di rivestimento del tamburo | bandaje (m) de curvar

4 biegen (v) | to bend | courber (v)

гнуть; изгибать | piegare (v), curvare (v) | curvar (v)



5 gebogenes Holz (n) | bent wood | bois (m) courbé

гнутое дерево (n) | legno (m) curvato | madera (f) curvada

6 Dämpfen (n) des Holzes | steaming of wood | étuvage (m) du bois

пропариваніе (n) дерева | trattamento (m) del legno col vapore, lisciviatura (f) del legno | tratamiento (m) de la madera al vapor

7 dämpfen (v) | to steam | étuver (v)

пропаривать | trattare (v) il legno col vapore, lisciviare (v) il legno | tratar (v) al vapor

8 gedämpftes Holz (n) | steamed wood | bois (m) étuvé

пропаренное *или* распаренное дерево (n) | legno (m) trattato col vapore, legno (m) lisciviato | madera (f) tratada al vapor

9 kochen (v) | to steam | étuver (v)

варить [въ водѣ] | bollire (v) | cocer (v)

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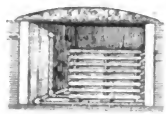
Stabdämpfkammer (f)
steaming chamber for staves
chambre (f) d'étuve pour bâtons

камера (f) для пропариванія брусковъ
camera (f) per la lisciviatura *o* per il trattamento col vapore del legno
cámara (f) para tratar los palos al vapor

1

Dampfgrube (f)
steaming pit
chambre (f) d'étuve souterraine



паровой колодецъ (m); подземная камера (f) для пропариванія брусковъ
sotterraneo (m) per trattare col vapore
cámara (f) subterránea para tratar al vapor

2

---

trocknen (v)
to dry
sécher (v)

сушить; высушивать
prosciugáre (v), seccare (v)
secar (v)

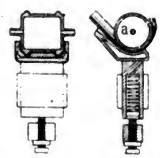
3

Trockenkammer (f)
drying chamber
chambre (f) de séchage, étuve (f)

сушильня (f); сушилка (f); сушило (n)
camera (f) di prosciugamento
cámara (f) de secar

4

Rundbiegevorrichtung (f) für profilierte Furniere *oder* für Formspäne
circular bending apparatus for profiled veneering
appareil (m) pour courber les bois de placage profilés



приспособленіе (n) для сгибанія профильныхъ фанеръ
apparecchio (m) per curvare impelliccia-ture sagomate
aparato (m) de curvar en redondo para chapas perfiladas

5

Formbacke (f)
profiling roller
saillie (f) du tambour à profiler

формовочная *или* нажимная колодка (f)
rullo (m) *o* guancia (f) per sagomare
bordón (m) de tambor para perfilar

6

Furnierplatte (f), Spanplatte (f)
veneer
feuille (f) de placage

фанер[к]а (f)
foglio (m) di impelliccia-tura
hoja (f) de chapa de madera

7

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mehrfach verleimte Furnierplatte (f)
number of layers of veneer
couches (f pl) de feuilles de placage collées en ensemble, plaque (f) compensée

многослойная фанер[к]а (f)
placca (f) di legno a compensazione
placa (f) de madera de compensación

8

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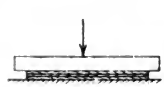
pressen (v)
to press
presser (v)



прессовать
pressare (v)
prensar (v)

9

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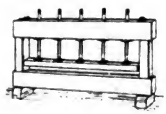
1 Holzpresse (f)
wood press
presse (f) à bois



прессъ (m) для дерева
pressa (f) per legno
prensa (f) de madera

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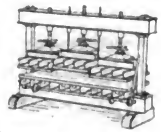
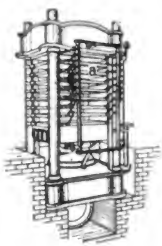
2 eiserne Furnierpresse (f)
iron veneering press
presse (f) en fer pour feuilles de placage



желѣзный прессъ (m) для фанеръ
pressa (f) di ferro per impellicciature
prensa (f) de hierro para chapas de madera

---

3 hydraulische Dampfplattenfurnierpresse (f)
hydraulic veneering press with steam plates
presse (f) hydraulique avec chauffage à la vapeur des feuilles de placage



гидравлическій прессъ (m) для фанеръ съ паровымъ отопленіемъ прессовальныхъ плитъ
pressa (f) idraulica per impellicciature con placche riscaldate a vapore
prensa (f) hidráulica con calentamiento al vapor para chapas de madera

---

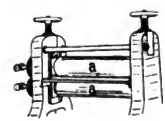
4 mit Dampf heizbare Preßplatte (f)
steam heated press plate
plateau-presseur (m) chauffé à la vapeur

a

прессовальная плита (f), отапливаемая пáромъ
piatto (m) della pressa riscaldato a vapore
placa (f) de presión con calefacción al vapor

---

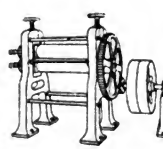
5 heizbare Preßwalze (f)
heated press roll
rouleau-presseur (m) à chauffage



нагрѣваемый *или* отапливаемый [паромъ] прессовальный валокъ (m)
cilindro (m) della pressa riscaldato a vapore
cilindro (m) de presión con calefacción

---

6 Furnierpreßwalzwerk (n)
veneering rolls
rouleau (m) compresseur pour feuilles de placage



вальцовый прессъ (m) для фанеръ
cilindri (m pl) compressori *o* calandra (f) per impellicciature
cilindro (m) de prensar chapas de madera

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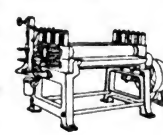
7 Furnierglättmaschine (f)
veneer smoothing machine
machine (f) à dresser les feuilles de placage



фанеро-гладильный станокъ (m)
cilindri (m pl) per spianare le impelliciature, calandra (f)
máquina (f) de enderezar chapas de madera

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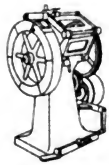
Holzreifenbiegemaschine (f)
wood rim bending machine
machine (f) à courber des cercles en bois



станокъ (m) для выдѣлки деревянныхъ колецъ
macchina (f) per curvare cerchi di legno
máquina (f) de curvar aros de madera

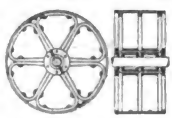
1

Holzreifen (m)
wood rim
cercle (m) en bois

деревянный обручъ (m); деревянное кольцо (n)
cerchio (m) di legno
aro (m) de madera

2

Holzriemenscheibe (f)
wood pulley
poulie (f) en bois



деревянный шкивъ (m) для ременной передачи
puleggia (f) di trasmissione in legno
polea (f) de madera para transmisión

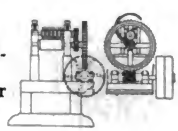
3

Reifwindemaschine (f), Rollmaschine (f)
rim bending machine
machine (f) à enrouler les cercles en bois

станокъ (m) для сгибанія ободьевъ
macchina (f) per curvare i cerchi di legno
máquina (f) para arollar los aros de madera

4

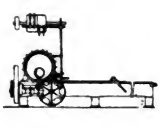
Siebränderbiegemaschine (f)
sieve rim *or* frame bending machine
machine (f) à courber les bois de tamis



станокъ (m) для сгибанія *или* для выдѣлки ободьевъ для рѣшётъ и ситъ
macchina (f) per curvare i cerchi degli stacci
máquina (f) de curvar los aros (*ó* bordes) de cedazos

5

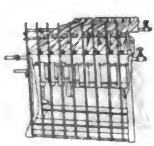
Aufbiegevorrichtung (f) für spiralige Holzplatten
machine for straightening spiral wood
machine (f) a dérouler des feuilles de bois courbées



приспособленіе (n) для разгибанія пластинокъ, срѣзанныхъ по спирали [на щепальномъ станкѣ]
macchina (f) per spianare legno tagliato a spirale
máquina (f) de enderezar las hojas de madera encorvadas

6

Stangenbiegemaschine (f)
wooden bar bending machine
machine (f) à courber des bâtons



станокъ (m) для гнутья брусковъ
macchina (f) per piegare aste di legno
máquina (f) de curvar varas

7

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1 Pfluggriffbiegemaschine (f)
plough handle bending machine
machine (f) à courber les manches de charrue

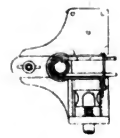
станокъ (m) для сгибанія рукоятей для плуговъ
macchina (f) per piegare manichi da aratro
curvadura (f) de mangos de arados

2 Spannkopf (m)
bending head
tendeur (m), courbeur (m)

a

зажимная головка (f)
testa (f) piegatrice
cabezal (m) de sujeción

3 Stockgriffbiegevorrichtung (f)
stick handle bending machine
machine (f) à courber les poignées de cannes



приспособленіе (n) для гнутья ручекъ у тростей
macchina (f) per piegare l'impugnatura dei bastoni
disposición (f) de curvar mangos de bastones

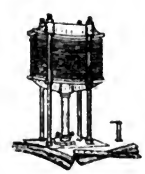
4 Biegezange (f)
bending wrench *or* iron
pince (f) à courber

ключъ (m) для гнутья
chiave (f) *o* ferro (m) per piegare
tenazas (f pl) de curvar

5 Biegebock (m)
bending horse *or* trestle
chevalet (m) à courber

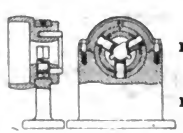
верстакъ (m) для гнутья
cavalletto (m) per piegare
caballete (m) de curvar

6 hydraulische Stabpresse (f)
hydraulic press for wooden bars
presse (f) hydraulique pour bâtons



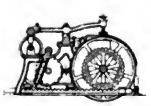
гидравлическій прессъ (m) для брусковъ
pressa (f) idraulica per bastoni di legno
prensa (f) hidráulica para barras

7 Maschine (f) zum Glätten gebogener Rundstäbe
smoothing machine for bent round rods
machine (f) à polir les bois ronds courbés



станокъ (m) для сглаживанія изогнутыхъ круглыхъ брусковъ
macchina (f) per lisciare bastoni o barre rotonde di legno curvato
máquina (f) de pulir palos redondos curvados

8 Stuhllehnenbiegemaschine (f), Maschine (f) zum Biegen von Stuhllehnen
chair back bending machine
machine (f) à courber les dos de chaises



станокъ (m) для гнутья спинокъ стульевъ
macchina (f) per piegare *o* curvare schienali da sedia
máquina (f) de curvar los respaldos de sillas

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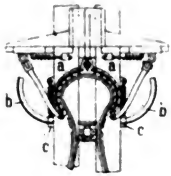
Tischscheibe (f)
supporting disc
disque (m) d'appui



a

опорный шкивъ (m)
tavola (f), piattaforma (f) 1
disco (m) de apoyo

Bogenführung (f)
curved guides
guidage (m) en courbe

b

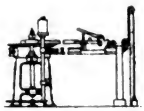
дуговыя направляющія (f pl)
guida (f) curva 2
guia (f) curvada

Spreizer (m)
spreader
tendeur (m)

c

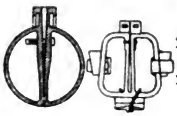
стягивающая колодка (f) 3
tenditore (m)
tensor (m)

Sitzringbiegemaschine (f), Sitzreifenbiegemaschine (f)
seat frame bending machine (for chairs)
machine (f) à courber les sièges (de chaise)



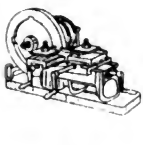
станокъ (m) для сгибанія колецъ для сидѣній стульевъ
macchina (f) per curvare il telaio delle sedie 4
curvadura (f) para bordes de asientos de silla

Sitzringbiegeform (f)
chair seat frame bending form
forme (f) pour courber les sièges



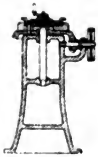
форма (f) для сгибанія колецъ для сидѣній стульевъ
forma (f) per telai di sedia 5
molde (m) para curvar los bordes de asientos de silla

Stuhlsitzdreh- und Falzmaschine (f)
stool seat turning and folding machine
machine (f) à tourner et à faire les feuillures des sièges de chaises



токарный и фальцевальный станокъ (m) для выдѣлки сидѣній стульевъ
macchina (f) per tornire e bordare il telaio delle sedie 6
máquina (f) para tornear y ranurar los asientos de silla

Fußreifenbiegemaschine (f)
bottom ring bending machine
machine (f) à courber les cercles de pieds de sièges



станокъ (m) для сгибанія обручей для вязки ножекъ стульевъ
macchina (f) per curvare il cerchio di rinforzo delle gambe 7
curvadura (f) de aros de pies para sillas

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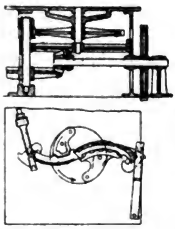
1



Biegemaschine (f) für Tischfüße
bending machine for table legs
machine (f) à courber les pieds de tables

станокъ (m) для сгибанія ножекъ столовъ
macchina (f) per piegare i piedi delle tavole
curvadura (f) para pies de mesa

2

Beizmaschine (f)
staining machine
machine (f) à encaustiquer

протравная *или* протравочная машина (f)
macchina (f) per applicare il mordente
máquina (f) para dar cáustico

3

a

Beizbehälter (m)
stain tank *or* pan
récipient (m) du mordant

бакъ (m) для протравы
recipiente (m) del mordente, vasca (f) per il mordente
recipiente (m) para el cáustico

4

Beizen (n) des Holzes
staining of wood
imprégnation (f) du bois

травленіе (n) дерева
applicazione (f) del mordente al legno
aplicación (f) de cáustico á la madera

5

das Holz beizen (v)
to stain the wood
imprégner (v) le bois

протравлять дерево
applicare (v) il mordente al legno
echar (v) cáustico á la madera

6

Beize (f)
stain
mordant (m)

протрава (f)
mordente (m)
cáustico (m)

7

Imitiermaschine (f), Nachahmmaschine (f)
machine for imitation of wood
machine (f) à imiter le bois

имитаціонная машина (f)
macchina (f) per imitazioni
máquina (f) de imitar la madera

8

die Holzmaserung nachahmen (v)
to imitate the grain of wood
imiter (v) les fibres *ou* la texture fibreuse d'un bois

поддѣлывать древесный узоръ; раздѣлывать подъ древесный узоръ
imitare (v) la fibra di un legno
imitar (v) la fibra de madera

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Holzstanzmaschine (f)
wood stamping machine
machine (f) à estamper le bois

дерево-штамповальный станокъ (m); дерево-штамповальная машина (f)
macchina (f) per stampare *o* per imprimere il legno
máquina (f) de estampar madera

1

Boden- und Deckelstanzmaschine (f)
bottom and lid stamping machine
machine (f) à estamper les fonds et les couvercles

штамповальный станокъ (m) для днищъ [или для донъевъ] и для крышекъ
macchina (f) per stampare fondi e coperchi
máquina (f) de estampar suelos y tapas

2

---

stanzen (v)
to stamp
estamper (v)

штамповать
stampare (v), imprimere (v)
troquelar (v), estampar (v), cortar (v) con troqueles

3

Holzkantenbestoßmaschine (f)
wood trimmer
machine (f) à trancher les bois en bout

станокъ (m) для обтёсыванія; торцевальный станокъ
rettificatrice (f) di tagli d'estremità
máquina (f) de cortar al sesgo, máquina (f) de achaflanar

4

Gehrungsschneidmaschine (f), Gehrungsstoßmaschine (f)
mitreing machine
machine (f) à faire les onglets

станокъ (m) для рѣзки подъ угломъ
trancia (f) per tagli ad angolo
máquina (f) de cortar ingletes

5

---

stoßen (v), bestoßen (v)
to trim
écorner (v)

тесать; обтёсывать; обрѣзать кромки
mortesare (v), squadrare (v), stozzare (v), intestare (v)
cortar (v), recortar (v)

6

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XVIII.

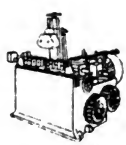
Faßbindemaschinen
Cask Making Machines
Machines pour fabriquer *ou* assembler les tonneaux

Бочарные станки
Macchine per fabbricare le botti
Máquinas para hacer barriles

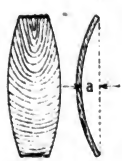
1 Faß (n) / cask, barrel / tonneau (m)
бочка (f) / barile (m), botte (f) / barril (m)

2 Daube (f), Faßdaube (f) / stave / douve (f), douelle (f)
клёпка (f); ладъ (m) / doga (f) / duela (f)

3 Dauben[ab]kürzsäge (f) / double stave cross cut saw / scie (f) à raccourcir les douves
пила (f) для укорачиванія клёпокъ / sega (f) per tagliare le doghe a misura giusta / máquina (f) de tronzar duelas á dimensión



4 Daubenbiegemaschine (f) / stave bending machine / machine (f) à courber les douves
станокъ (m) для сгибанія клёпокъ / macchina (f) per curvare le doghe / máquina (f) de curvar duelas



5 Bauchung (f) der Daube / bilge / bouge (f) de la douve
выпучина (f) клёпки; стрѣла (f) клёпки / pancia (f) *o* incurvatura (f) della doga / curva (f) de la duela

a

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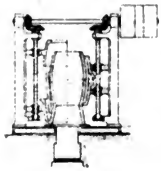
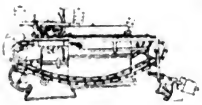
Faßdaubenbiege- und Trockenmaschine (f)
stave bending and drying machine
machine (f) à courber et à sécher les douves



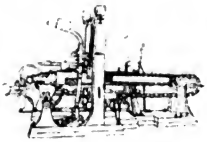
станокъ (m) для сгибанія и сушки клёпокъ
macchina (f) per piegare ed essiccare le doghe 1
máquina (f) de curvar y secar duelas de barriles

Daubenhobelmaschine (f)
stave planing machine
machine (f) à doler *ou* à raboter les douves



строга[те]льный станокъ (m) для клёпокъ
piallatrice (f) per doghe 2
máquina (f) de cepillar duelas

Daubenfügemaschine (f)
stave jointing machine
machine (f) à faire les joints de douve



фуговальный станокъ (m) для клёпокъ
macchina (f) per tirare a filo le doghe 3
máquina (f) de hacer juntas de duelas

Scheibenfügemaschine (f), Daubenfügemaschine (f) mit Messerscheiben
disc stave jointing machine
machine (f) à disque pour jointer les douves, machine (f) à faire les jables *ou* les joints de douve

дисковый фуговальный станокъ (m); фуговальный станокъ для клёпокъ съ ножевымъ дискомъ 4
macchina (f) a disco per tirare a filo le doghe
máquina (f) de hacer las juntas de duelas

Daubenfügesäge (f)
saw stave jointer
scie (f) à jointer les douves

фуговальная пила (f) для клёпокъ
sega (f) per tirare a filo le doghe 5
sierra (f) de juntar duelas

Daubenkrösemaschine (f)
stave crozing machine
machine (f) à jabler les douves

станокъ (m) для рѣзки утóровъ въ клёпкахъ
macchina (f) per capruginare le doghe 6
máquina (f) de sacar la muesca en las duelas

Kröse (f), Kimme (f)
croze
jable (m)

a

утóръ (m); желобокъ (m) для дна
capruggine (f)
muesca (f) 7

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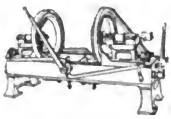
1 die Kimmungen einschneiden (v)
to form the croze
faire (v) les jables

уторить; нарѣзать уторы на клёпкахъ
capruginare (v) le doghe
cortar (v) las muescas

---

2 Faßkrösemaschine (f)
barrel crozing machine
machine (f) à jabler les tonneaux



станокъ (m) для вырѣзанія утóровъ въ собранныхъ бочкахъ
macchina (f) per caprugginare le botti
máquina (f) de sacar las muescas en los barriles

---

3 Einsatzring (m)
cone chucking ring
anneau (m) de fixage

зажимное кольцо (n)
anello (m) di fissaggio
anillo (m) de ajuste

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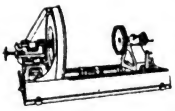
4 einseitige Faßkrösemaschine (f)
single *or* one end crozing machine
machine (f) simple à jabler les tonneaux



односторонній станокъ (m) для рѣзки утóровъ въ собранныхъ бочкахъ
macchina (f) unilaterale *o* semplice per caprugginare le botti
máquina (f) de sacar las muescas unilateral

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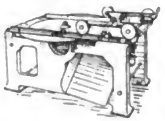
5 Bodenholzfeinsäge (f)
fine saw for cask heads
scie (f) [circulaire horizontale] pour foncailles



пила (f) для рѣзки дощечекъ для днищъ *или* для донниковъ *или* для полуйки
sega (f) circolare per fondi di botti
sierra (f) especial para suelos de barriles

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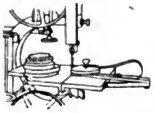
6 Bodenrundschneidvorrichtung (f)
head rounding apparatus
appareil (m) à arrondir les fonds



приборъ (m) для выдѣлки *или* для вырѣзанія круглыхъ днищъ
apparecchio (m) per tagliare fondi rotondi
aparato (m) de serrar circularmente los suelos

---

7 Bodenrundschneidmaschine (f)
head rounding machine
machine (f) à arrondir les fonds de tonneaux

станокъ (m) для выдѣлки *или* для вырѣзки круглыхъ днищъ
macchina (f) per tagliare fondi rotondi
máquina (f) de cortar circularmente los discos para suelos

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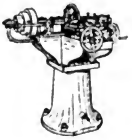
8 Faßbodendrehbank (f)
head rounding and bevelling machine
tour (m) pour fonds de tonneaux



токарный станокъ (m) для бочечныхъ *или* бочарныхъ днищъ
tornio (m) per fondi di botti
torno (m) para suelos de barriles

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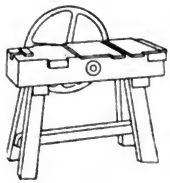
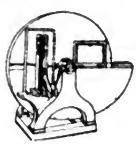


Bodenpresse (f), Bodendübelpresse (f)
head compressor
presse (f) à fonçailles

прессъ (m) для днищъ
pressa (f) per fondi di botti *1*
prensa (f) para suelos

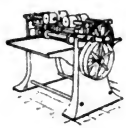
Bodenfügemaschine (f)
head jointing machine
machine (f) à jointer les fonçailles

фуговальный станокъ (m) для днищъ
macchina (f) per tirare a filo fondi di botti *2*
máquina (f) para hacer las juntas de suelos



Bodenabrichtmaschine (f)
head dressing *or* trimming machine
machine (f) à dégauchir *ou* dresser les fonds de tonneaux

станокъ (m) для строганія *или* для правки днищъ
macchina (f) per spianare fondi di botti *3*
máquina (f) de planear los suelos



Bodenhobelmaschine (f)
head planing machine
machine (f) à raboter les fonds de tonneaux

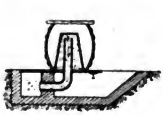
строгальный станокъ (m) для днищъ
piallatrice (f) per fondi di botti
máquina (f) de cepillar los suelos

Aufsetzform (f), Aufsatzform (f)
setting up apparatus
appareil (m) *ou* forme (f) pour assembler les douves

вязальная форма (f) для сборки бочекъ
forma (f) per montare le doghe *5*
molde (m) para assemblar los toneles *ó* barriles

Faßrumpf (m)
cask body
carcasse (f) du tonneau

остовъ (m) *или* корпусъ (m) бочки
corpo (m) della botte *6*
cuerpo (m) del barril



Hitzhaube (f)
firing cone
calotte (f) de chauffage

нагрѣвательный колпакъ (m); колпакъ (m) для нагрѣванія *7*
cuffia (f) di riscaldamento
cubierta (f) de calentar

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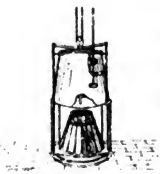
1 Hitzhaube (f) mit Herdfeuerung
firing cone with furnace
calotte (f) de chauffage avec foyer

нагрѣвательный колпакъ (m) съ очагомъ
cuffia (f) di riscaldamento con focolare
cubierta (f) de calentar con horno

2 Dampfhaube (f)
steaming cone
calotte (f) pour le chauffage à la vapeur

паровой нагрѣвательный колпакъ (m)
cuffia (f) di riscaldamento a vapore
cubierta (f) para el calentamiento al vapor

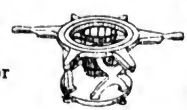


3 Dämpfvorrichtung (f)
steaming apparatus
appareil (m) de chauffage à la vapeur

приборъ (m) для распариванія
apparecchio (m) di riscaldamento a vapore
aparato (m) para el calentamiento al vapor

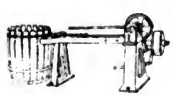
4 Faßwinde (f)
windlass for drawing together the cask staves
treuil (m) pour le serrage des tonneaux

бочарный *или* бондарный воротъ (m); воротъ для стягиванія бочекъ
argano (m) per montare le botti
tornillo (m) para el cierre de las duelas



5 Zusammenziehvorrichtung (f)
trussing apparatus
appareil (m) à trousser les petits fûts

приборъ (m) для стягиванія бочекъ
apparecchio (m) per serrare le doghe delle botti
aparato (m) de ensamblar juntas las duelas



6 Faßschraubenwinde (f)
power windlass for tight casks
treuil (m) à trousser les tonneaux

винтовой бочарный *или* бондарный воротъ (m); винтовой воротъ для стягиванія бочекъ
argano (m) a vite per mettere insieme le botti *o* per serrare le doghe delle botti
tornillo (m) sin fin para cerrar los barriles

7 Faßzusammenziehvorrichtung (f) für kleine Fäßchen
trussing apparatus for small casks
appareil (m) à trousser les petits fûts

стягивающій приборъ (m) для бочёнковъ
macchina (f) per mettere insieme piccole botti *o* per serrare le doghe di bariletti
aparato (m) de juntar las duelas de barriles pequeños

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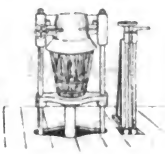
Faßzusammentreibmaschine (f)
cask trussing machine
machine (f) à trousser les cercles de tonneaux

станокъ (m) для стягиванія бочекъ
pressa (f) per mettere insieme *o* per serrare le doghe di botti
prensa (f) de juntar las duelas por presión

1

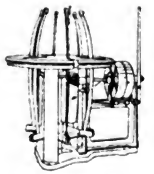
hydraulische Zusammentreibmaschine (f)
hydraulic trussing machine
machine (f) hydraulique à trousser les cercles de tonneaux (avec cône)



гидравлическій станокъ (m) для стягиванія бочекъ
pressa (f) idraulica per mettere insieme *o* per serrare le doghe di botti
máquina (f) hidráulica de juntar las duelas por presión

2

Arbeitsreifenanziehmaschine (f)
machine for drawing on truss hoops
machine (f) à serrer les cercles provisoires



станокъ (m) для натягиванія рабочихъ обручей
macchina (f) per montare i cerchi provvisori
máquina (f) de estrechar los bandajes provisionales

3

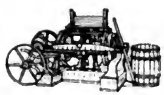
Formreifen (m), Arbeitsreifen (m)
truss hoops
cercle (m) provisoire *ou* de troussage de tonneau

a

формовочный обручъ (m); рабочій обручъ
cerchio (m) provvisorio
bandaje (m) provisional

4

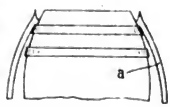
Faßzusammensetz- und Reifenaufziehmaschine (f)
cask trussing and hoop driving machine
machine (f) à assembler les douves et à serrer les cercles des tonneaux



станокъ (m) для стягиванія бочекъ и насаживанія на нихъ обручей
macchina (f) per comporre le botti e montare i cerchi
máquina (f) de juntar las duelas y colocar los bandajes

5

Auflegen (n) der Reifen
placing the hoops over the staves
serrage (m) des cercles (de tonneau)



насаживаніе (n) обручей; натягиваніе (n) обручей; надѣваніе (n) обручей
applicazione (f) dei cerchi
colocación (f) de los bandajes

6

Reifen auflegen (v)
to place the hoops over the staves
serrer (v) les cercles

насаживать обручи; натягивать обручи; надѣвать обручи
applicare (v) i cerchi
colocar (v) los bandajes

7

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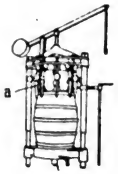
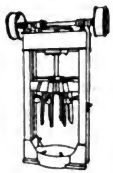
Reifentreiber (m)
driver arm, driver
1 griffe (f) pour chasser *ou* appliquer les cercles



a

стержни (m pl) для натягиванія обручей
braccio (m) per applicare i cerchi
tirante (m) para la colocación de los bandajes

Reifenauftreibmaschine (f), Reifenaufdrückmaschine (f)
2 hoop driving machine
machine (f) à chasser les cercles



станокъ (m) для насаживанія обручей
pressa (f) per applicare i cerchi a pressione
máquina (f) de colocar los bandajes por presión

Reifenanziehmaschine (f)
3 claw trussing machine
appareil (m) à serrer *ou* à chasser les cercles

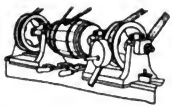
станокъ (m) для натягиванія обручей
macchina (f) per serrare i cerchi a trazione
máquina (f) de colocar los bandajes por atracción

Glockenmaschine (f)
4 trussing bell
cloche (f) de troussage

колоколъ (m) для сгибанія клёпокъ и насаживанія обручей
campana (f) per il montaggio
aparato (m) en forma de campana para ensamblar

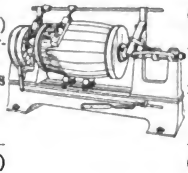
---

das Faß glätten (v)
5 to clean off the cask
polir (v) le tonneau



лощить бочку
ripassare (v) la botte
pulir (v) el barril

Faßabhobelmaschine (f)
cask planing *or* cleaning-
6 off machine
machine (f) à raboter les tonneaux



бочарно-строга[те]льный станокъ
tornio (m) per botti con utensile a pialla
máquina (f) de cepillar barriles

Faßabdrehmaschine (f)
cask turning *or* cleaning
7 off machine
machine (f) à raboter et égaliser les tonneaux

бочарно-токарный станокъ (m)
tornio (m) per botti
máquina (f) de tornear barriles

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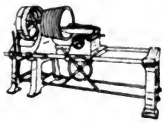
Kübelausdrehmaschine (f)
machine for cleaning off inside of tubs
machine (f) à tourner les cuves à l'intérieur



станокъ (m) для внутренней обточки кадокъ
tornio (m) per mastelle e per tinozze
máquina (f) de tornear interiormente

1

Spundlochbohrmaschine (f)
bung hole boring machine
machine (f) à percer les trous de bondes

бочарно-сверлильный станокъ (m)
trapano (m) per cocchiumi
máquina (f) de taladrar los agujeros

2

Spunddrehbank (f)
bung *or* chive turning machine
tour (m) à bondes

станокъ (m) для точки бочарныхъ пробокъ *или* затычекъ
tornio (m) per cocchiumi
torno (m) para tapones

3

Spund (m), Faßspund(m)
chive, bung
bonde (f)

a

пробка (f); затычка (f)
cocchiume (m)
tapón (m)

4

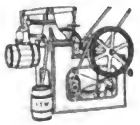
---

selbsttätige Spundpress[maschin]e (f)
automatic chive pressing machine
presse (f) automatique pour bondes

автоматическій станокъ (m) для штампованія пробокъ *или* затычекъ
punzonatrice (f) automatica per cocchiumi
máquina (f) automática para hacer tapones, prensador (m) automático de tapones

5

Einbrennmaschine (f), Maschine (f) zum Einbrennen von Aufschriften
branding machine
machine (f) à marquer les tonneaux au feu



выжигательная машина (f); машина для выжиганія надписей
macchina (f) per marcare a fuoco
máquina (f) para marcar con hierro candente

6

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XIX.

Maschinen für Wagenräder

Wheelwrights Machines

Machines à façonner les roues de voiture

Станки для выдѣлки экипажныхъ колесъ

Macchine per la fabbricazione delle ruote di legno

Máquinas para construir ruedas de carros

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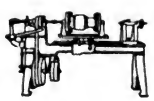
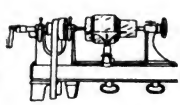
1 Radmaschine (f)
wheelwright machine
machine (f) pour fabriquer les roues



станокъ (m) для выдѣлки колёсъ; колёсный станокъ
macchina (f) per ruote
máquina (f) para construir ruedas, torno (m) y taladro (m) para ruedas de madera

---

2 Drehen (n) der Nabe
turning the nave
tournage(m)des moyeux



обточка (f) ступицы
tornitura (f) del mozzo
el tornear cubos

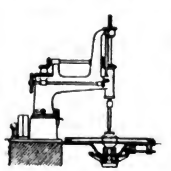
---

3 Nabenbohrmaschine (f)
nave boring machine
machine (f) à percer les moyeux

станокъ (m) для просверливанія ступицы
trapano (m) per mozzi
aparato (m) de barrenar el cubo

---

4 Presse (f) zum Eindrücken der Radbüchsen
wheel boxing *or* bushing press
presse (f) à introduire les garnitures *ou* boites de moyeux



прессъ (m) для вдавливанія втулокъ
pressa (f) per montare *o* per introdurre le bussole
prensa (f) para calar el casquillo

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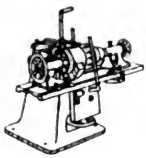
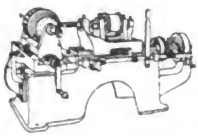
Radnabenstemmmaschine (f), Maschine (f) zum Stemmen der Speichenlöcher
nave *or* hub mortising machine
machine (f) à mortaiser les moyeux



машина (f) для выдалбливанія гнѣздъ для спицъ
macchina (f) per far cave nel mozzo
máquina (f) para mortajar [los agujeros para los rayos en el cuerpo de] los cubos

1

Radnabenbohr- und Stemmaschine (f)
nave *or* hub boring and mortising machine
machine (f) à percer et à mortaiser les moyeux



сверлильно-долбёжный станокъ (m) для ступицъ
macchina (f) combinata per forare e far cave nei mozzi
máquina (f) para barrenar y mortajar los cubos

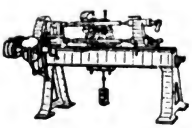
2

Radspeichenhobelmaschine (f)
spoke planing machine
machine (f) à raboter les rais

строга[те]льный станокъ (m) для спицъ
piallatrice (f) per razze di ruota
máquina (f) para cepillar rayos

3

Radspeichenkopiermaschine (f)
spoke copying machine *or* lathe
machine (f) à reproduire les rais



копировальный станокъ (m) для спицъ
macchina (f) o tornio (m) per copiare razze di ruota
copiadora (f) para rayos de ruedas, máquina (f) para reproducir rayos

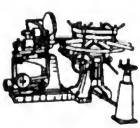
4

Radspeichenpoliermaschine (f)
spoke polishing *or* buffing machine
machine (f) à polir les rais

полировальный *или* полировочный станокъ (m) для колёсныхъ спицъ
politrice (f) per razze di ruota
máquina (f) de pulir rayos de ruedas

5

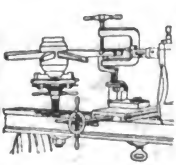
Speichenzapfenschneidmaschine (f)
spoke tenoning machine
machine (f) à faire les tenons pour rais



шипорѣзный станокъ (m)
macchina (f) per far i tenoni delle razze
máquina (f) de sacar espigas à los rayos

6

Fräsen (n) der runden Speichenzapfen
cutting of round spoke tenons
fraisage (m) des tenons ronds de rais



нарѣзаніе (n) круглыхъ шиповъ у спицъ
fresatura (f) dei tenoni rotondi delle razze
fresado (m) de las espigas redondas de los rayos

7

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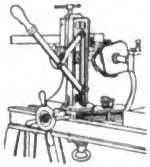
1 Fräsen (n) der flachen Speichenzapfen
cutting of rectangular spoke tenons
fraisage (m) des tenons rectangulaires pour rais



нарѣзаніе (n) плоскихъ шиповъ у спицъ
fresatura (f) dei tenoni piatti delle razze
fresado (m) de las espigas planas de los rayos

2 die Radspeichen in die Nabe drücken (v)
to drive the spokes into the hub
forcer (v) les rais dans le moyeu

вгонять спицы въ ступицу
montare (v) o introdurre (v) le razze nel mozzo
calar (v) los rayos al cubo

3 hydraulische Speicheneintreibmaschine (f)
hydraulic spoke driving machine
presse (f) hydraulique pour l'introduction des rais [dans les moyeux]

гидравлическая машина (f) для вгонки спицъ
macchina (f) idraulica per montare le razze
máquina (f) de calar rayos hidráulica

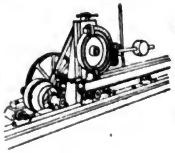
4 Holzfelge (f)
wood felloe
jante (f) en bois

колёсный косякъ (m)
cerchione (m) di legno
llanta (f) de madera

5 Felgenholz (n)
felloe wood
bois (m) pour jante

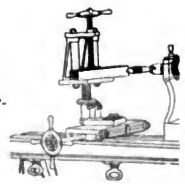
лѣсъ (m) для колёсныхъ косяковъ
legno (m) per cerchioni
madero (m) de llanta

6 Radfelgenbiegemaschine (f)
felloe bending machine
machine (f) à courber les jantes



машина (f) для сгибанія колёсныхъ косяковъ
macchina (f) per curvare i cerchioni di ruota
máquina (f) de curvar llantas de ruedas

7 Felgenbohrsupport (m)
felloe boring carriage
support (m) pour perceuse de jantes



суппортъ (m) для сверленія косяковъ
sopporto (m) per forare i cerchioni
soporte (m) de máquina de barrenar llantas

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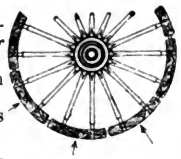
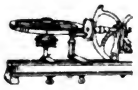
die Felgen auf die Speichen drücken (v) *oder* schieben (v)
to press the felloes on to the spokes
appliquer (v) les jantes sur les rais



надѣть косяки на спицы
montare (v) *o* mettere (v) il cerchione sulle razze
aplicar (v) las llantas sobre los rayos

1

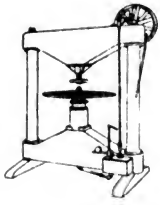
Rundfräsen (n) der Radbahn
circular milling of wheel tread
fraisage (m) de la surface de la jante



фреза[ер]ованіе (n) колёснаго обода по кругу
fresatura (f) circolare del cerchione
fresado (m) de la superficie de las llantas

2

Presse (f) zum Aufpressen der Nabenreifen
tyre press
presse (f) pour l'application de la frette sur le moyeu



прессъ (m) для насаживанія колецъ на ступицы
pressa (f) per montare i cerchioni di ferro
prensa (f) para calar los anillos sobre los cubos

3

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XX.

Zündholzmaschinen

Machines for Making Wood Matches

Machines pour la fabrication des allumettes

Станки для спичечнаго производства

Macchine per la fabbricazione dei fiammiferi di legno

Máquinas de hacer fósforos

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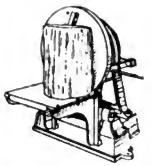
1 Entrindungsmaschine(f)
bark stripping machine, disbarking machine
machine (f) à décortiquer *ou* à écorcer



корообдирный станокъ (m); машина (f) для сдиранія коры
macchina(f) per scortecciare
máquina (f) de descortezar

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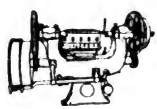
2 Schälmaschine (f)
peeling machine
machine (f) à dérouler les troncs en feuilles



щепальный *или* шелушильный станокъ (m); машина (f) для изготовленія дранки
macchina(f) per tagliare scortecciando il legno in fogli
máquina (f) de desenrollar la madera en chapas

---

3 Holzdraht (m)
splint
brin (m) long de bois, tige (f) d'allumette

спичечная соломка (f)
bastoncino (m), stecca (f)
trozo (m) largo, bastoncito (m) de fósforo, astilla (f) de madera

---

4 Schachtelspan (m)
box veneer length
copeau (m) de boîte

дранка (f) для коробокъ
foglio (m) per scatola
tira (f) de madera para cajas

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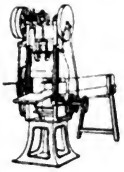
Schachtelspanteil-maschine (f)
machine for cutting matchbox veneer lengths
machine (f) à découper les copeaux pour boîtes



станокъ (m) для разрѣзанія коробочной дранки; машина (f) для надрѣзанія коробочной дранки
macchina (f) per tagliare *1*
o dividere i fogli per la scatola
máquina (f) de cortar las tiras de madera para cajas

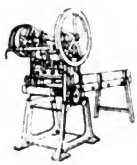
Ritzapparat (m)
slitting apparatus
appareil (m) à trusquiner

рѣзчикъ (m); приборъ (m) для разрѣзанія
dispositivo (m) per in- *2*
cidere i tagli
aparato (m) de hender

Ritzmesserhalter (m)
slitting knife holder
porte-outil (m) a trusquiner

коробка (f) *или* держатель (m) ножей для разрѣзанія
portautensili (m) *o* *3*
portacoltello (m) per incidere i tagli
porta-cuchilla (m) para hender

Holzdrahtabschlag-maschine (f)
splint chopping machine
machine (f) à découper les tiges d'allumettes



крошилка (f); крошильный *или* рубильный станокъ (m) для выдѣлки соломокъ
macchina (f) per tran- *4*
ciare i bastoncini *o* le stecche
máquina (f) de cortar á dimensión los bastoncitos de fósforos

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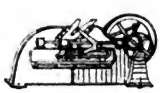
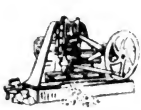
Holzdrahthobel-maschine (f)
splint shaping machine
machine (f) à raboter les tiges de bois



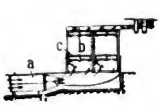
строга[те]льный станокъ (m) для спичечной соломки
piallatrice (f) per i ba- *5*
stoncini *o* per le stecche
máquina (f) de cepillar bastoncitos de madera

Holzdrahtschneid-maschine (f)
splint cutting machine
machine (f) à couper les tiges de bois



рубильный станокъ (m) для спичечной соломки
macchina (f) per tagliare *6*
i bastoncini *o* le stecche
máquina (f) de cortar bastoncitos de madera

Holzdrahttrocken-vorrichtung (f)
splint drying apparatus
machine (f) a sécher les tiges de bois



сушильный приборъ (m) *или* аппаратъ (m) для спичечной соломки
essiccatoio (m) per i ba- *7*
stoncin *o* per le stecche
aparato (m) de secar bastoncitos de madera

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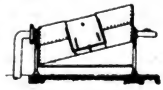
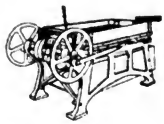
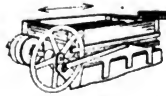
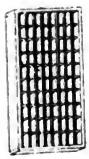
	Lufterhitzer (m) air heater appareil (m) à chauffer l'air	a	воздухонагрѣватель (m); калориферъ (m) riscaldatore (m) dell'aria aparato (m) de calentar el aire
	Trockenschrank (m) drying chamber sécheur (m)	b	сушильный шкафъ (m) camera (f) di essiccamento armario (m) de secar, estufa (f)
	Horde (f) hurdle claie (f)	c	рѣшётка (f) graticcio (m) cañizo (m), rejilla (f)
	Holzdrahttrockentrommel (f) splint drying drum *or* cylinder tambour (m) à sécher les tiges de bois		сушильный барабанъ (m) для спичечной соломки tamburo (m) per essiccare i bastoncini *o* le stecche tambor (m) de secar bastoncitos de madera
	Holzdrahtputzmaschine (f) splint cleaning machine machine (f) à polir les tiges de bois		станокъ (m) для очистки спичечной соломки macchina (f) da pulire *o* pulitrice (f) per i bastoncini *o* le stecche máquina (f) de limpiar los bastoncitos de madera
	Splitterholz (n) wood chips éclats (m pl) de bois		поломанныя соломки (f pl); [бракъ (m)] rifiuti (m pl), scarti (m pl) astillas (f pl) de madera
	Gleichlegemaschine (f) splint levelling machine appareil (m) à ranger les tiges		укладочный станокъ (m) для соломокъ; станокъ (m) *или* машина (f) для складыванія спичечной соломки macchina per (f) disporre paralleli i bastoncini *o* parallele le stecche máquina (f) de colocar por igual los bastoncitos de madera
	Rüttelkasten (m) shaking box caisse (f) à secousses		соломотрясъ (m); ящикъ (m) со встряской [для укладки спичечной соломки] cassa (f) a scosse caja (f) de sacudir
	Fächerkasten (m) partition box boîte (f) à compartiments		ящикъ (m) съ рѣшёткой *или* съ отдѣленіями cassa (f) a scomparti caja (f) de compartimientos

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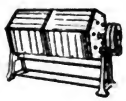
Gleichlegevorrichtung (f) für Handbetrieb
hand levelling apparatus
appareil (m) à ranger à la main

ручной укладочный приборъ (m) для соломокъ: урядникъ (m); ручной приборъ для складыванія спичечной соломки 1
apparecchio (m) a mano per disporre paralleli i bastoncini
aparato (m) de igualar á mano

Holzdrahtpoliertrommel (f)
splint polishing drum
tambour (m) polisseur



чистильный *или* полировальный барабанъ (m) для соломки 2
tamburo (m) per polire i bastoncini
tambor (m) de pulir los bastoncitos de madera

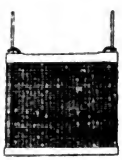
Holzdrahtbündelvorrichtung (f)
splint bundling apparatus
appareil (m) à botteler les tiges

приборъ (m) для вязки спичечной соломки
apparecchio (m) per fare fasci di bastoncini 3
aparato (m) de formar haces bastoncitos de madera

Trockengestell (n)
drying rack
étagère (f) *ou* séchoir (m) (pour cadres à tremper)

сушильная телѣжка (f); передвижной сушильный станокъ (m)
rastrelliera (f) per essiccare 4
bastidor (m) para colocar cuadros para secar

Einlegerahmen (m)
dipping frame
châssis (m) à tremper

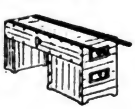


наборная рама (f)
telaio (m) per immersioni 5
cuadro (m) para impregnar fósforos

Einlegemaschine (f)
frame filling machine
machine (f) à mettre en presse

наборный станокъ (m); наборная машина (f)
macchina (f) per caricare i telai 6
máquina (f) para colocar los fósforos

Vorwärmherd (m)
heating stove
fourneau (m) à réchauffer



очагъ (m) для предварительнаго нагрѣванія
stufa (f) 7
horno (m) de calentamiento previo

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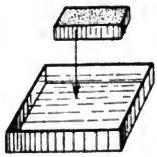
1	Paraffinierherd (m) paraffining stove fourneau (m) à paraffiner		очагъ (m) для парафинированія stufa (f) per paraffinare horno (m) de parafinar
2	Schwefelherd (m) sulphuring stove fourneau (m) à soufrer		сѣрный очагъ (m); очагъ для осѣренія stufa (f) per lo zolfo horno (m) de fósforo
3	Paraffinpfanne (f) paraffin pan bassin (m) à paraffine		сковорода (f) для парафинированія; парафинировочная сковорода recipiente (m) *o* vasca (f) per la paraffina cubeta (f) de parafina
4	Sandpfanne (f) sand pan bassin (m) à sable		песочница (f) recipiente (m) *o* vasca (f) per la sabbia cubeta (f) de arena
5	Schwefelpfanne (f) sulphur pan bassin (m) à soufre		сковорода (f) для осѣренія recipiente (m) *o* vasca (f) per lo zolfo cubeta (f) de azufre
6	Dampfparaffinier-vorrichtung (f) steam paraffining apparatus appareil (m) à vapeur pour paraffiner		паровой приборъ (m) для парафинированія; паровой парафинировочный приборъ stufa (f) a vapore per paraffinare aparato (m) á vapor para parafinar
7	Schmelzkasten (m) melting box caisse (f) pour fondre (la paraffine)	a	плавильный ящикъ (m) cassa (f) per fondere caja (f) de fundir la parafina
8	Paraffinbad (n) paraffin bath bain (m) de paraffine		парафиновая ванна (f) bagno (m) di parafina baño (m) de parafina
9	Tunkmaschine (f) dipping machine machine (f) à tremper		макальный станокъ (m); макальная машина (f) macchina (f) per immergere máquina (f) de untar *ó* impregnar
10	tunken (v) to dip tremper (v)		макать; обмакивать immergere (v) untar (v), impregnar (v)

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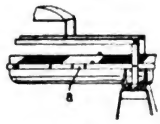
Dampfnachwärmeplatte (f)
steam reheating plate
plaque (f) à réchauffer par la vapeur



a

плита (f) для подогрѣванія паромъ
placca (f) *o* piastra (f) a vapore per riscaldare
placa (f) de recalentar á vapor

1

Handtunkvorrichtung (f)
hand dipping apparatus
appareil (m) à main pour tremper

ручной макальный приборъ (m)
apparecchio (m) a mano per immergere
aparato (m) de untar á mano

2

Tunkplatte (f)
dipping plate
plaque (f) à tremper

макальная плита (f)
placca (f) *o* piastra (f) per immergere
placa (f) de untar

3

Walzentunkvorrichtung (f)
cylinder dipping machine
appareil (m) à tremper à cylindres

вальцовый макальный приборъ (m)
apparecchio (m) a cilindri *o* rulli per immergere
aparato (m) de untar á rodillo

4

Tunkschüssel (f)
dipping vessel
récipient (m) à tremper

a

макальный сосудъ (m)
vaschetta (f) *o* tazza (f) per le immersioni
cubeta (f) de untar

5

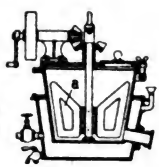
Tunkwalze (f)
dipping cylinder
cylindre (m) à tremper

b

макальный валикъ (m) *или* валъ (m)
rullo (m) *o* cilindro (m) per le immersioni
rodillo (m) de untar

6

Phosphorkocher (m)
cooking apparatus for phosphorous (composition)
appareil (m) pour cuire la pâte phosphorique



приборъ (m) для варки фосфора
apparecchio (m) per scaldare la pasta fosforosa
aparato (m) de cocer el fósforo

7

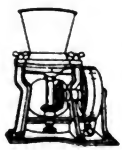
Rührwerk (n)
agitators, mixing arms
agitateur (m)

a

мѣшалка (f)
agitatore (m)
mecanismo (m) agitador

8

Kegelmühle (f)
cone grinding mill
moulin (m) (broyeur) conique



коническая мельница (f); мельница съ коническимъ дробильникомъ
mulino (m) *o* polverizzatore (m) a campana
molino (m) cónico

9

Mahlring (m)
grinding ring
anneau-broyeur (m)

кольцо (n) *или* обручъ (m) мельницы
anello (m) *o* armatura (f) del mulino
anillo (m) de moler

10

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1 Mahlkegel (m)
grinding cone
cône-broyeur (m)

коническій дробильникъ (m); мельничный конусъ (m)
campana (f) del mulino
cóno (m) de moler

2 Massemühle (f)
composition grinding and mixing mill
moulin (m) (broyeur) pour la pâte

мельница (f) для размола зажигательной массы
mescolatore (m), impastatore (m)
molino (m) para la masa

3 Mahlgut (n)
material to be ground
matière (f) à broyer

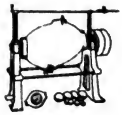
измолотый матеріалъ (m)
materia (f) da polverizzare
material (m) á moler

4 Mahlscheibe (f)
grinding plate
disque (m) broyeur

a

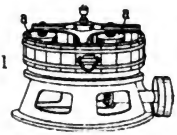
мельничный кругъ (m); моло́льный дискъ (m)
disco (m) mescolatore *od* impastatore
disco (m) de moler

5 Kugelmühle (f)
ball mill
broyeur (m) à boules



шаровая мельница (f)
mulino (m) *o* polverizzatore (m) a palle
molino (m) de bolas

6 Reibsteinmühle (f)
millstone grinding mill
moulin (m) à meulers



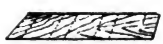
жерновая мельница (f); мельница съ бѣгунами для растиранія
mulino (m) a palmenti
molino (m) de piedras rotatorias

7 Mahlstein (m)
millstone
meule (f)

a

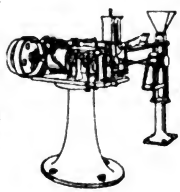
жерновъ (m); бѣгунъ (m)
mola (f), palmento (m)
muela (f), piedra (f) de moler

8 Spanband (n)
strip of box veneer
bande (f) de copeaux



лента (f) стружки
foglio (m) di legno per scatole, nastro (m) di legno per scatole
cinta (f) de madera

9 Schachtelklebmaschine (f)
box pasting machine
machine (f) à coller les boites



станокъ (m) для склеиванія коробокъ
macchina (f) per incollare le scatole
máquina (f) de encolar las cajas

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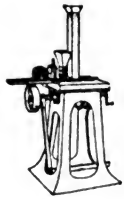
Etikettiermaschine (f)
labeling machine
machine (f) à étiquetter



станокъ (m) для наклейки этикетовъ; станокъ для этикетированія
macchina (f) per etichettare (le scatole)
máquina (f) de poner las etiquetas

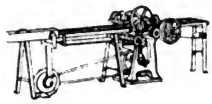
1

Schachteltrockner (m), Schachteltrockenvorrichtung (f)
box drying apparatus
appareil (m) a sécher les boites

сушильня (f) для коробокъ; приборъ (m) *или* аппаратъ (m) для сушки коробокъ
apparecchio (m) per essiccare le scatole
aparato (m) de secar las cajas de madera

2

Schachtelanstrichmaschine (f)
box painting machine
machine (f) à enduire les boites



намазочный станокъ (m); станокъ для намазки [боковъ] коробокъ; намазальная машина (f)
macchina (f) per dare la pasta alle scatole
maquina (f) de dar color á las cajas

3

Anstrichrahmen (m)
painting frame
cadre (m) à enduire

намазочная *или* намазальная рама (f)
telaio (m) per dare la pasta
cuadro (m) de dar color

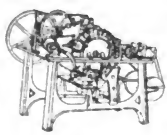
4

Schachtelbesandungsmaschine (f)
box sanding machine
machine (f) à sabler les boites

станокъ (m) для обмазыванія [боковъ] коробокъ пескомъ
macchina (f) per dare la sabbia alle scatole
máquina (f) de dar la materia de fricción á los costados de las cajas

5

Papierkapselmaschine (f)
machine for making paper box shells
machine (f) pour la confection de cartouches en papier



станокъ (m) для выдѣлки бумажныхъ капсюлей
macchina (f) per confezionare sacchetti di carta per fiammiferi
máquina (f) de hacer los envoltorios de papel

6

Kleisterkocher (m)
paste cooker
chaudière (f) à cuire la colle

приборъ (m) для варки клейстера
apparecchio (m) per fare o per scaldare la pasta
baño-maria (m) para cocer la cola

7

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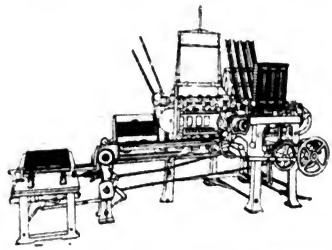
Zündhölzerauslegemaschine (f)
1 match arranging machine
machine (f) à ranger les allumettes

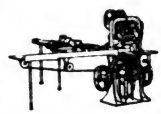
станокъ (m) для вынимания спичекъ изъ рамъ
macchina (f) per disporre paralleli i fiammiferi
máquina (f) de repartir los fósforos



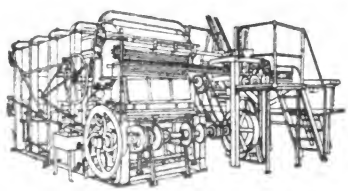
Schachtelfüllmaschine (f)
2 box filling machine
machine (f) à remplir les boites

станокъ (m) для наполненія коробокъ спичками
macchina (f) per riempire le scatole
máquina (f) de llenar las cajas

Einpackmaschine (f) für Zündholzschachteln
machine for packing
3 match boxes
machine (f) à empaqueter les boites d'allumettes



станокъ (m) для упаковки коробокъ въ пачки; упаковочный станокъ
macchina (f) per impacchettare le scatole di fiammiferi
máquina (f) de empaquetar las cajas de fósforos



Universalzündholzmaschine (f)
universal match ma-
4 chine
machine (f) universelle pour la fabrication des allumettes

универсальная спичечная машина (f); универсальный спичечный станокъ (m)
macchina (f) universale per la fabbricazione dei fiammiferi
máquina (f) universal para hacer fósforos

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XXI.

Anlagen für Holzbearbeitung

Wood Working Plants

Installations pour le travail du bois

Сооруженія для обработки дерева

Impianti per la lavorazione del legno

Instalaciones de labrar madera

Betrieb[s]einrichtung

Equipment of Factory

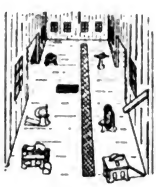
Organisation de l'atelier

Оборудованіе дерево-обдѣлочныхъ мастерскихъ

Organizzazione dell'impianto *1*

Organización de los talleres

Holzbearbeitungswerkstatt (f)
wood working shop
atelier (m) pour le travail des bois



дерево-обдѣлочная мастерская (f)
officina (f) *o* opificio (m) per la lavorazione del legno *2*
taller (m) de labrar madera

Bretterfußboden (m)
boarded floor
plancher (m)

досчатый полъ (m)
pavimento (m) di legno a listoni, pavimento (m) in legno *3*
piso (m) entarimado

Fußbodenbrett (n)
floor board
planche (f) de parquet

a

половая доска (f); половица (f) настила
listone (m) *o* tavola (f) per pavimento *4*
hoja (f) *ó* tabla (f) de parquet

Stabfußboden (m), Parkettfußboden (m)
parquetry, parquet floor
parquet (m)

паркетный полъ (m)
pavimento (m) di legno a spina-pesce, parquet (m) *5*
parquet (m)

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1 Holzbeförderungswagen (m)
timber truck *or* trolley *or* carriage, timber "Jim"
wagonnet (m) pour troncs

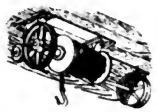
вагонетка (f) для подвозки дерева
carro (m) per trasportare i tronchi *o* legnami
carro (m) de transportar maderas y troncos

2 Waldbahn (f)
portable forest railway
voie (f) forestière

a

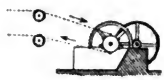
лѣсная желѣзная дорога (f)
binario (m) per disboscamento
via (f) forestal para el transporte de la madera

3 Blockaufzug (m) mit offener Kette
timber hoist *or* hauling apparatus with single chain
treuil (m) à chaîne pour grumes



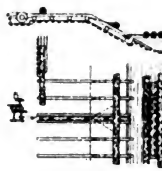
лебёдка (f) *или* самотаска (f) для брёвенъ съ навёртывающейся цѣпью
argano (m) a catena per tronchi
cabrestante (m) de tecno con cadena para elevar troncos

4 Blockaufzug (m) mit endloser Kette
timber hoist *or* hauling apparatus with endless chain
treuil (m) à grumes avec chaîne sans fin



лебёдка (f) *или* самотаска (f) для брёвенъ съ безконечной цѣпью
argano (m) a catena senza fine per tronchi
cabrestante (m) para troncos con cadena sin fin

5 Schleppbahn (f)
inclined hauling runway
glissière (f), plan (m) incliné



путь (m) *или* мостки (m pl) для втаскиванія брёвенъ
piano (m) inclinato di caricamento
plano (m) inclinado para sacar los troncos de los rios

6 Hebelade (f)
wood frame with dog hook lever
levier (m) pour le chargement

рычажный подъёмъ (m) *или* домкратъ (m)
leva (f) a cavalletto per tronchi, gru (f) semplice
palanca (f) mecánica para levantar troncos

7 Holzkran (m)
timber crane
chèvre (f) à élever les troncs

дерево-подъёмный кранъ (m)
gru (f) *o* capra (f) per tronchi
grua (f) *o* cabria (f) para madera

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Verladewinde (f), [Verladekran (m)]
timber loading crane
chèvre (f) pour le chargement

погрузочный во́ротъ (m); погрузочный кранъ (m)
argano (m) *o* capra (f) per caricare i tronchi
cabria (f) *ó* grúa (f) para cargar madera

1

Verladebaum (m)
shear legs
grue (f) de chargement (à trépied), chèvre (f)

a

тренога (f)
sopporto (m) dell'argano
grúa (f) trípode de carga, cabria (f)

2

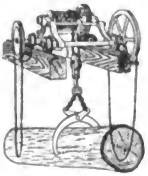
Stützbaum (m)
supporting strut
contre-fiche (f)

b

нога (f) крана
asta (f) d'appoggio
viga (f) de apoyo

3

fahrbarer Stammaufzug (m), Laufkran (m)
overhead hand power traveller for timber
chariot (m) (d'appareil) de levage pour troncs



мостовой подъёмный кранъ (m) для стволовъ
gru (f) scorrevole (per tronchi)
carro (m) corredizo para elevar troncos

4

Laufkatze (f)
overhead scrab
chariot (m)

ходячій блокъ (m)
carrello (m) [da gru]
carro (m) corredizo

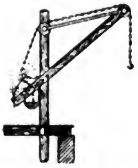
5

Bockkran (m)
gantry *or* goliath crane
chevalet (m) de levage, grue-portique (f)

кранъ (m) на ко́злахъ
gru (f) a cavalletto *o* a ponte
caballete (m) para levantar, grúa-cabrestante (f)

6

Drehkran (m)
jib crane
grue (f) pivotante



поворо́тный кранъ (m)
gru (f) girevole
grúa (f) giratoria

7

Holztrockenanlage (f)
timber drying plant
installation (f) pour le séchage du bois

лѣсосушилка (f)
impianto (m) d'essiccatoio per legno
instalación (f) de secar madera

8

Trockenkanal (m)
drying passage
couloir (m) de séchage

a

сушильный каналъ (m)
camera (f) di essiccamento
canal (f) de secadero

9

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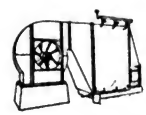
1
Trockenluft (f)
drying air
air (m) sec

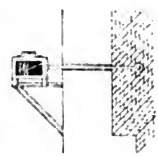
воздухъ (m) для сушки
aria (f) essiccante
aire (m) seco

2
Dampfluftheizvorrichtung (f)
steam air heating apparatus
appareil (m) pour le chauffage de l'air par la vapeur



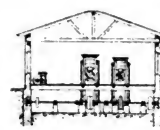
паровоздушный нагрѣвательный приборъ (m)
apparecchio (m) a vapore per scaldare l'aria *o* per produrre l'aria calda
aparato (m) para la calefacción del aire por vapor

3
Trockenheitsmesser(m), Hygrometer (n)
regulator for dessicating air, hygrometer
appareil (m) pour mesurer le degré de dessiccation de l'air, psychromètre (m), hygromètre (m)



приборъ (m) для опредѣленія степени влажности воздуха; гигрометръ (m); психрометръ (m)
misuratore (m) dell'umidita, igrometro (m)
instrumento (m) para reconocer y medir la humedad del aire, psicrómetro (m), higrómetro (m)

4
Sägewerk (n), Säg[e]mühle (f), Schneid[e]mühle (f)
saw mill
scierie (f) mécanique

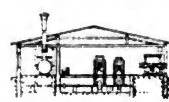


лѣсопильный заводъ (m); лѣсопилка (f)
segheria (f)
aserradero (m) mecánico, taller (m) de aserrar madera

5
Wasser[säge]mühle (f)
saw mill driven by water power
scierie (f) à roue hydraulique

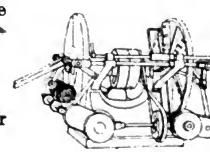
лѣсопилка (f) съ водянымъ двигателемъ; водяная лѣсопилка
segheria (f) ad acqua
aserradero (m) mecánico movido por agua, sierra (f) de molino

6
Dampfsägewerk (n), Dampfsägemühle (f)
steam saw mill
scierie (f) à vapeur



паровой лѣсопильный заводъ (m); паровая лѣсопилка (f)
segheria (f) a vapore
aserradero (m) mecánico á vapor

7
Rindenschälmaschine (f), Entrindungsmaschine (f)
bark stripping machine, disbarking machine
machine (f) à décortiquer



корообдирный станокъ (m); станокъ для сдиранія коры
macchina (f) per scortecciare
descortezadora (f), máquina (f) de descortezar

8
teilweise entrinden (v), anplätzen (v)
to partially strip off the bark
décortiquer (v) à demi

снимать кору по винтовой линіи
scortecciare (v) parzialmente, scortecciare (v) a spirale
descortezar (v) á medias

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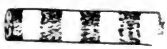
ringeln (v)
to partially strip off the bark in parallel rings
décortiquer (v) en enlevant des bandes à angle droit



снимать кору кольцами
scortecciare (v) parzialmente ad anelli *1*
descortezar (v) en forma de anillo

Hobelwerk (n)
planing shop
atelier (m) de rabotage mécanique

строга[те]льная мастерская (f); строгательный заводъ (m)
impianto (m) per piallatura del legno *2*
taller (m) de cepillado mecánico

Furnierschneid[e]werk (n)
veneer cutting shop
atelier (m) mécanique pour fabriquer les feuilles de placage

фанерная фабрика (f); фанерный заводъ (m)
fabbrica (f) di impellicciatura *3*
fábrica (f) de chapa de madera

Rundschälerei (f)
wood peeling plant
installation (f) pour dérouler les bois ronds

щепальный или шелушильный заводъ (m)
fabbrica (f) d'impellicciatura con macchine rotative *4*
instalación (f) para desenrollar madera

Holzwollefabrik (f)
wood wool factory
fabrique (f) de fibres de bois

фабрика (f) древесной шерсти
fabbrica (f) di lana di legno *5*
fábrica (f) de lana de madera

Kehlleistenfabrik (f)
wood moulding factory
fabrique (f) de moulures

фабрика (f) для производства профильныхъ брусковъ
fabbrica (f) di listoni sagomati *6*
fábrica (f) de molduras

Bilderrahmenfabrik (f)
picture frame factory
fabrique (f) de cadres

багетная фабрика (f)
fabbrica (f) di cornici *7*
fábrica (f) de marcos

---

mechanische Tischlerei (f) *oder* Schreinerei (f)
machine joinery works
menuiserie (f) mécanique

механическая столярная мастерская (f)
officina (f) meccanica di falegname, falegnameria (f) meccanica *8*
taller (m) mecánico de carpintería

Tischler (m), Schreiner (m)
joiner, carpenter
menuisier (m)

столяръ (m)
falegname (m) *9*
carpintero (m)

Bautischlerei (f), Bauschreinerei (f)
builders joinery
atelier (m) de charpentier

строительно-столярная мастерская (f)
carpenteria (f), fabbrica (f) di serramenta *10*
carpintería (f) de obra, carpintería (f) de construcción

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Möbeltischlerei (f), Möbelschreinerei (f)
1 furniture factory
fabrique (f) de meubles, ébénisterie (f)

мебельно-столярная мастерская (f)
fabbrica (f) di mobili, ebanisteria (f)
ebanistería (f)

Stuhlfabrik (f)
2 chair factory
fabrique (f) de chaises

фабрика (f) стульевъ
fabbrica (f) di sedie
fábrica (f) de sillas

Modelltischlerei (f), Modellschreinerei (f)
3 pattern shop
atelier (m) de modeleur

модельно-столярная мастерская (f)
abbrica (f) di modelli, fmodellisteria (f)
taller (m) de modelaje

Modelltischler (m), Modellschreiner (m)
4 pattern maker
modeleur (m)

модельщикъ (m)
modellista (m)
modelista (m)

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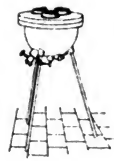
leimen (v)
5 to glue
coller (v)

клеить; склеивать
collare (v), incollare (v)
encolar (v)



Leimkocher (m), Leimkochgerät (n)
6 glue heating apparatus
appareil (m) à cuire *ou* à préparer la colle

клееварка (f); клееварочный приборъ (m)
apparecchio (m) per preparare la colla
aparato (m) para cocer la cola

Abkochen (n) von frischem Leim
7 dissolving of fresh glue
cuisson (m) de colle fraiche

варка (f) свѣжаго клея
preparazione (f) della colla fresca
preparación (f) de la cola fresca

Leim kochen (v)
8 to dissolve the glue
cuire (v) la colle

варить клей
preparare (v) la colla
cocer (v) la cola

Leim (m)
9 glue
colle (f)

клей (m); столярный клей
colla (f)
cola (f) [de carpintero]

Leimwärmvorrichtung (f)
10 glue warming apparatus
appareil (m) à chauffer la colle

приборъ (m) для разогрѣванія клея; клееогрѣлка (f)
apparecchio (m) per riscaldare la colla
aparato (m) de calentar cola

Leimtopf (m)
11 glue pot
pot (m) à colle

клеянка (f); сосудъ (m) *или* горшокъ (m) для варки клея
pentolino (m) per la colla
cazo (m) de cola

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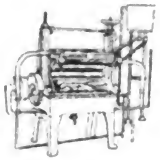
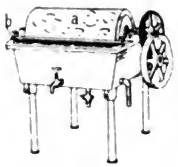
Leimauftrag[e]-maschine (f)
glueing machine
appareil (m) à étendre la colle



станокъ (m) для нанесенія клея
macchina (f) per applicare la colla
máquina (f) de encolar

1

Auftragwalze (f)
glueing roller *or* cylinder
rouleau-élargisseur (m)



валикъ (m) для нанесенія клея
cilindro (m) per applicare la colla
cilindro (m) de dar cola

2

Abstreichschiene (f)
regulating bar
règle (f) *ou* latte (f) à égaliser

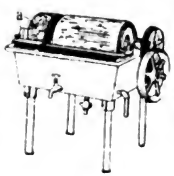
a

b

полоса (f) для снимания избыточнаго клея
listello (m) regolatore della colla
regla (f) de igualar

3

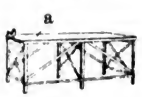
Bürstenwalze (f)
brush cylinder
rouleau (m) à brosses



щёточный валикъ (m)
cilindro (m) a spazzola
cilindro (m) de cepillos

4

Dampfwärmvorrichtung (f)
steam heating apparatus
appareil (m) de chauffage à la vapeur



паровой нагрѣвательный приборъ (m)
apparecchio (m) riscaldante a vapore
mesa (f) de calentar al vapor

5

Dampfwärmplatte (f), Wärmplatte (f)
steam heating table
plateau (m) de chauffage à la vapeur

a

паровая нагрѣвательная плита (f); нагрѣвательная плита
tavola (f) riscaldata a vapore
placa (f) de calentar

6

Drechslerei (f)
turnery
atelier (m) de tourneur

токарная мастерская(f)
torneria (f)
taller (m) de torneado

7

Holzspielwarenfabrik (f)
wooden toy factory
fabrique (f) de jouets en bois

фабрика (f) деревянных игрушекъ
fabbrica (f) di giuocattoli di legno
fábrica (f) de juguetes de madera

8

Rolladenfabrik (f), Jalousiefabrik (f)
wood blind factory
fabrique (f) de jalousies

жалюз[и]ная фабрика (f)
fabbrica (f) di persiane
fábrica (f) de persianas

9

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1 Parkettfabrik (f), Stabfußbodenfabrik (f)
parquetry works
fabrique (f) de parquets

паркетная фабрика (f)
fabbrica (f) di pavimenti di legno (parchetti)
fábrica (f) de parquet ó de entarimado fino

2 Kistenfabrik (f)
box factory
fabrique (f) de caisses

ящичная фабрика (f)
fabbrica (f) di casse
fábrica (f) de cajas

3 Zigarrenkistenfabrik (f)
cigar box factory
fabrique (f) de caisses à cigares

фабрика (f) сигарныхъ ящиковъ
fabbrica (f) di scatole *o* cassette per sigari
fábrica (f) de cajas de puros

4 Brennholzspalterei (f)
firewood factory
scierie (f) pour bois de chauffage

дворъ (m) для рубки дровъ
istallazione (f) per spaccare legna da ardere
aserrado (m) de madera de combustión

5 Faßfabrik (f)
cask *or* barrel factory
fabrique (m) de tonneaux

бочарный заводъ (m)
fabbrica (f) di botti e di barili
fábrica (f) de barriles

6 Böttcherei (f)
cooperage
atelier (m) pour la fabrication de tonneaux et de cuves, tonnellerie (f)

бондарное *или* бочарное заведеніе (n)
fabbrica (f) di tini e botti
tonelería (f)

7 Radfabrik (f)
wheel works
fabrique (f) de roues

колёсное заведеніе (n)
fabbrica (f) di ruote
fábrica (f) de ruedas

8 Stellmacherei (f)
wheelwrights shop
[atelier (m) de] charonnage (m)

каретное заведеніе (n)
fabbrica (f) di carri
carretería (f)

9 Wagenfabrik (f)
carriage works
fabrique (f) de voitures

обóзное заведеніе (n)
fabbrica (f) di carri e carrozze
fábrica (f) de coches

10 Waggonfabrik (f)
wagon works
fabrique (f) de wagons

вагонный заводъ (m); вагоностроительный заводъ
fabbrica (f) di vagoni
fábrica (f) de vagones

11 Spänebeförderung (f), Spänetransport (m)
conveying of shavings
transport (m) des copeaux

удаленіе (n) стружекъ и опилокъ; транспортированіе (n) стружекъ и опилокъ
trasporto (m) dei trucioli
transporte (m) de virutas

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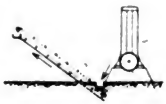
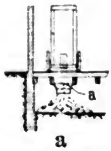
Spänebeförderung (f) durch Kette in offener Rinne
removing of shavings by trough conveyer
transport (m) *ou* enlèvement (m) des copeaux par transporteur à chaine et couloir ouvert



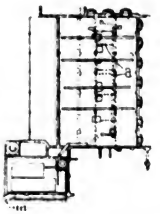
удаленіе (n) стружекъ и опилокъ въ открытомъ жолобѣ помощью безконечной цѣпи; цѣпной транспортеръ (m) съ открытымъ жолобомъ для стружекъ и опилокъ *1*
trasporto (m) dei trucioli a mezzo di catena in canale aperto
transporte (m) de virutas por cadena en canalón abierto

Spänetrichter (m)
shoot *or* chute for shavings *or* cuttings
trémie (f) à copeaux



воронка (f) для стружекъ и опилокъ *2*
tramoggia (f) pei trucioli
embudo (m) para virutas

Spänebeförderungsanlage (f)
plant for conveying *or* removal of shavings
installation (f) pour l'enlèvement des copeaux

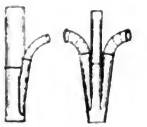


установка (f) для удаленія стружекъ и опилокъ
impianto (m) pel trasporto dei trucioli *3*
instalación (f) de transporte automático de virutas

Saugrohrleitung (f)
suction piping
tuyauterie (f) d'aspiration

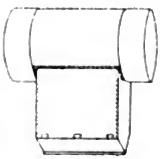
всасывающій трубопроводъ (m)
condotto (m) per l'aspirazione *4*
tubería (f) de aspiración

Spänebeförderungsrohr (n)
suction pipe for sawdust and cuttings
tuyau (m) d'aspiration des copeaux



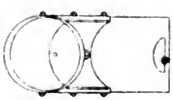
труба (f) для удаленія стружекъ и опилокъ
tubo (m) di condotta pei trucioli *5*
tubo (m) de conducción de virutas

Holzabscheidevorrichtung (f)
apparatus for separating wood chips
appareil (m) pour l'enlèvement des déchets de bois



приборъ (m) для удаленія щеп|ок|ъ
apparecchio (m) per togliere *od* eliminare i pezzi di legno *6*
disposición (f) de separar los residuos de madera

Luftabsperrschieber (m)
air disc *or* flap *or* throttle valve
registre (m) à air



задвижка (f) для отсѣчки воздуха
saracinesca (f) per l'aria *7*
válvula (f) corredera para cerrar el paso de aire

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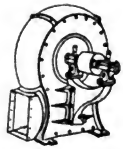
1 [Ab-]Saugvorrichtung (f), Exhaustor (m), Absauger (m)
exhaust *or* suction fan
aspirateur (m)

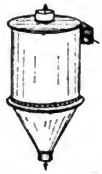


эксгаусторъ (m); всасыватель (m)
aspiratore (m)
exhaustor (m), disposición (f) de aspiración

2 Doppelexhaustor (m)
double exhaust fan
aspirateur (m) double

двойной эксгаусторъ (m)
aspiratore (m) doppio
exhaustor (m) doble

3 Spänefänger (m), Späneabscheider (m), Späneausscheider (m), Separator (m)
shavings separator
aspirateur (m) de copeaux, séparateur (m) de déchets



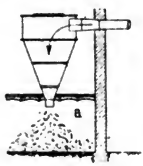
уловитель (m) стружекъ и опилокъ; сепараторъ (m) для стружекъ и опилокъ
separatore (m) dei trucioli
recogedor (m) y separador (m) de virutas

4 Späneraum (m)
storage chamber for dust and shavings
chambre (f) de dépôt des copeaux

помѣщеніе (n) для стружекъ и опилокъ
deposito (m) *o* camera (f) dei trucioli
cámara (f) de depósito de las virutas

a

5 Spänekeller (m)
cellar for shavings
cave (f) à copeaux



подвалъ (m) для стружекъ и опилокъ
cantina (f) per trucioli
cueva (f) para virutas

a

Schutzvorrichtungen

6 **Safety Guards**

Appareils protecteurs

Предохранительныя отъ несчастныхъ случаевъ приспособленія

Apparecchi di protezione

Disposiciones de protección

Unfallverhütungsvorschriften (f pl)
regulations for the prevention of accidents
7 règlements (m pl) pour la protection contre les accidents

предписанія (n pl) для предотвращенія несчастныхъ случаевъ
regolamenti (m pl) *o* prescrizioni (f pl) per prevenire gli infortuni
disposiciones (f pl) legislativas parer evitar accidentes de trabajo

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Schutzvorrichtung (f)
safety guard
appareil (m) protecteur

предохранительное приспособление (n)
apparecchi (m pl) *o* dispositivi (m pl) protettori *o* di protezione
disposición (f) de protección ó de seguridad en el trabajo

1

Festklemmen (n) des Sägeblattes
choking up *or* jambing of the saw blade
coincement (m) *ou* prise (f) de la lame de scie

защемление (n) пильного полотенца
incastrarsi (v) della lama di sega
aprisionamiento (m) de la hoja de sierra

2

---

festklemmen (v)
to choke up *or* jamb
coincer (v)

защемлять
imprigionarsi (v), incastrarsi (v), inchiodarsi (v)
aprisionar (v)

3

Warmlaufen (n) des Sägeblattes
running hot of the saw-blade
échauffement (m) de la lame de scie

нагрѣваніе (n) пильнаго полотенца
riscaldamento (m) della lama di sega
calentamiento (f) de la hoja de sierra

4

---

warmlaufen (v)
to run hot
s'échauffer (v)

нагрѣваться
riscaldarsi (v)
calentarse (v)

5

Rückschlagen (n) des Holzes
flying back *or* kicking up of the wood
recul (m) du bois

отдача (f) *или* отбрасываніе (n) дерева
rigetto (m) *o* rinculo (m) del legno
reculamiento (m) de la madera

6

---

zurückschlagen (v)
to fly back
donner (v) un choc par recul

ударять назадъ; отдать (-вать) назадъ
rigettarsi (v), rinculare (v)
recular (v)

7

Auseinanderhalten (n) des Holzes
keeping open of the saw kerf
maintien (m) de l'écartement (des parties sciées)

распираніе (n) дерева
mantenere (v) aperto il taglio del legno
separación (f) de las partes aserradas de la madera

8

---

auseinanderhalten (v)
to keep open *or* apart
maintenir (v) écarté (les parties sciées)

распирать
mantenere (v) aperto il taglio
mantener (v) separado

9

Kreissägeschutzvorrichtung (f)
circular saw guard
appareil (m) protecteur pour scies circulaires

предохранительный колпакъ (m) круглой пилы
cuffia (f) di sicurezza per seghe circolari
disposición (f) protectora para sierras circulares

10

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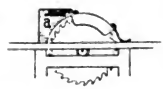
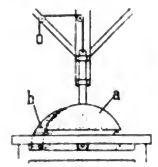
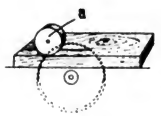
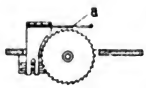
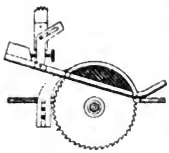
1	verstellbarer Spaltkeil (m) mit aufklappbarer Haube hinged guard with adjustable riving knife coin (m) fendeur réglable avec enveloppe à bascule	 a	переставной предохранительный клинъ (m) съ откидным колпакомъ cuneo (m) regolabile con cuffia di protezione spostabile cuña (f) graduable con cubierta móvil
2	Schutzhaube (f) guard, hood, shield chapeau (m) de protection	 a	предохранительный кожухъ (m) cuffia (f) di protezione cubierta (f) protectora
3	Spaltkeil (m) riving knife coin-fendeur (m)	b	распирающій клинъ (m); предохранительный клинъ cuneo (m) cuña (f) de separación
4	Spaltscheibe (f), Keilscheibe (f) circular wedge plate disque-fendeur (m)	 a	клинообразный *или* клиновидный предохранительный дискъ (m) cuneo (m) a disco disco (m) de separación
5	Druckrolle (f) pressure roller rouleau-presseur (m)	 a	нажимной роликъ (m) rullo (m) di pressione rodaja (f) de presión
6	Deckschiene (f), Schutzleiste (f) protection bar latte-protectrice (f)	 a	предохранительная полоса (f) *или* линейка (f) listello (m) di protezione regla (f) *ó* escudra (f) de protección
7	selbsttätige Schutzhaube (f) automatic guard capote-protectrice (f) automatique		автоматическій предохранительный колпакъ (m) cuffia (f) automatica *o* cappello (m) automatico di protezione cubierta (f) de protección automática
8	Fingerabweiser (m) finger guard joue (f) de protection pour les doigts	 a	предохранитель(m) для пальцевъ; пальцеотводъ (m) dispositivo (m) per proteggere le dita disposición (f) de protección de los dedos

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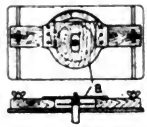
hölzerne Schutzplatte (f)
wood guard cover
plateau (m) protecteur en bois



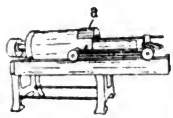
a

деревянный предохранительный дискъ (m)
copertura (f) di protezione in legno
placa (f) protectora de madera
1

Verkleidung (f) des Sägetisches
covering of the saw table
revêtement (m) de la table de la scie

обшивка (f) пильнаго стола
rivestimento (m) della tavola della sega
revestimiento (m) de la mesa de sierra
2

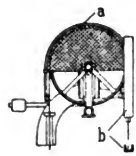
Schutzring (m) [der Trommelsäge]
protection ring [for cylinder saw]
tube (m) protecteur [de la scie cylindrique]



a

предохранительная дуга (f) [цилиндрической пилы]
anello (m) di protezione [per le seghe a tamburo]
tubo (m) de protección [de la sierra cilíndrica]
3

Schutzbügel (m) [der Bandsäge]
shield for top pulley [of a band saw]
bouclier (m) protecteur [de la scie à ruban]



a

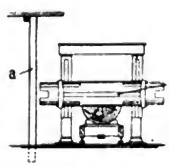
предохранительный щитъ (m); предохранительная полоса (f) [ленточной пилы]
cuffia (f) di protezione [per seghe a nastro]
aro (m) protector [para sierras de cinta]
4

Schutzrinne (f) [der Bandsäge]
channel section bar guard [for band saw]
gouttière (f) protectrice [de la scie à ruban]

b

предохранительный жолобъ (m) [ленточной пилы]
rivestimento (m) *o* canale (m) di protezione [della sega a nastro]
cubierta (f) protectora [para la hoja de sierra de cinta]
5

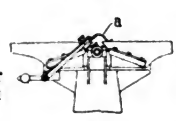
Prellpfosten (m)
post for checking the vibration
poutre (f) de choc *ou* de butée



a

отбойный брусъ (m); ударный брусъ
paracolpo (m)
viga (f) de choque
6

Hobelmesserschutzbügel (m)
guard for planing cutter
tôle (f) protectrice des outils à raboter



a

предохранительный щитъ (m) надъ строгальнымъ ножомъ
guardia (f) *o* cuffia (f) di protezione per piallatrici
chapa (f) protectora para cuchillas de acepilladora
7

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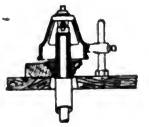
1 Schutzring (m), Schutzscheibe (f)
safety ring *or* disc for vertical spindle moulding cutter
anneau (m) protecteur, disque (m) protecteur

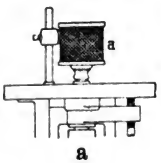
предохранительный дискъ (m); предохранительное кольцо (n)
anello (m) *o* disco (m) di protezione
disco (m) de protección

2 Schutzglocke (f) (für Fräser)
bell shaped safety guard for vertical spindle moulding cutter
cloche (f) protectrice (pour fraises)



предохранительный колоколъ (m) [для фрезъ]
campana (f) di protezione (per fresatrici)
campana (f) de protección (para fresas)

3 Schutzkorb (m) (für Fräser, Sägen usw)
wire protection cage (for cutters, saws etc.)
tambour (m) perforé *ou* cage (f) de protection (pour fraises, scies etc)



a

предохранительная коробка (f) (для фрезъ, пилъ и. т. д.)
gabbia (f) di protezione (per fresatrice)
tambor (m) protector (para fresas, sierras etc.)

4 Schutznetz (n), Fangnetz (n)
protection netting
filet (m) de protection

a

предохранительная сѣть (f) *или* сѣтка (f) [подъ ремнемъ]
rete (f) di protezione
red (f) de protección

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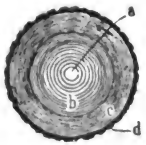
XXII.

Holzarten	**Древесныя породы**
Different Kinds of Timber	**Specie dei legnami**
Espèces de bois, essences	**Especies de maderas**

Technische Eigenschaften der Hölzer		**Техническія свойства дерева**	
Commercial Characteristic of Timber		**Qualità fisiche dei legnami**	*1*
Qualités industrielles des bois		**Propiedades técnicas de las maderas**	
Holz (n) timber, wood bois (m)		лѣсной матеріалъ (m); дерево (n); древесина (f) legno (m) madera (f)	*2*
Stamm (m), Holzstamm (m), Baumstamm (m) trunk *or* stem of a tree tronc (m) d'arbre		стволъ (m); стволъ дерева tronco (m), fusto (m) tronco (m)	*3*
Holzquerschnitt (m) cross section of timber section (f) [transversale] du bois		поперечный разрѣзъ (m) дерева sezione (f) trasversale di un legno sección (f) de la madera	*4*
Mark (n) pith moëlle (f)	a	сердцевина (f) midollo (m) medula (f)	*5*
Kernholz (n), Kern (m) heartwood cœur (m) du bois, bois (m) de cœur	b	ядровая древесина (f); ядро (n) anima (f), legno (m) del cuore *o* del nocciuolo corazón (m) de la madera	*6*

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Reifholz (n)
1 ripe wood
bois (m) de cœur sec

спѣлая древесина (f)
legno (m) maturo
corazón (m) seco de la madera

Splintholz (n), Splint (m)
2 sapwood
aubier (m)

c

заболонь (f); оболонь (f)
alburno (m), libro (m)
albura (f)

Rinde (f), Borke (f)
3 bark
écorce (f)

d

кора (f)
corteccia (f)
corteza (f)

Ast (m)
4 branch
branche (f)

сукъ (m); сучокъ (m)
ramo (m)
rama (f)

---

a

Stockstärke (f)
5 diameter at foot
diamètre (m) au pied

толщина (f) дерева въ комелѣ; толщина въ нижнемъ отрубѣ
diametro (m) al piede
diametro (m) al pie

Zopfstärke (f), Gipfelstärke (f)
6 diameter at the top
diamètre (m) au sommet

b

толщина (f) въ тонкомъ концѣ; толщина въ верхнемъ отрубѣ
diametro (m) al castello
diámetro (m) á la cabeza

---

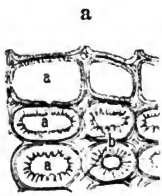
a

Jahr[es]ring (m), Holzring (m)
7 annual rings
couche (f) annuelle

годичное кольцо (n); годичный слой (m)
anello (m) annuale, anello (m) del tronco *o* di crescita
capa (f) anual

Struktur (f) des Holzes
8 structure of the wood
structure (f) du bois

строеніе (n) дерева; структура (f) древесины
struttura (f) del legname
estructura (f) de la madera



a

b

Holzzelle (f)
9 cell of wood
cellule (f) du bois

древесная клѣтка (f)
cellula (f) del legno
célula (f) de madera

Holzpore (f), Holzröhre (f)
10 cellular tube
pore (m), vaisseau (m)

древесныя поры (f pl); сосуды (m pl) древесины
poro (m), interstizio (m) tra le cellule del legno
poro (m) de madera, vaso (m) de la madera

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Harzgalle (f), Harzpore (f)
resinous pore
vaisseau (m) résineux

a

смоляной ходъ (m)
poro (m) resinoso
poro (m) lleno de resina

1

Holzfaser (f)
grain *or* fibre of the timber, wood fibre
fibre (f) de bois, fibre (f) ligneuse

древесное волокно (n)
fibra (f) del legno
fibra (f) de madera

2

Faserrichtung (f)
direction of fibre *or* grain
direction (f) des fibres

направленіе (n) волоконъ
direzione (f) delle fibre
dirección (f) de las fibras

3

Faserbündel (n)
mass of fibres *or* grain, bundles of vascular tissue
faisceau (m) de fibres

сосудисто-волокнистый пучокъ (m)
fascio (m) di fibre
haz (f) de fibras

4

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faseriges Gefüge (n)
grain *or* fibrous layer
texture (f) fibreuse

древесная ткань (f)
struttura (f) fibrosa
textura (f) fibrosa

5

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feinfaserig (adj)
fine fibrous *or* grained
à fibres fines

съ мелкими волокнами
a fibra corta *o* fina
de fibras finas

6

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langfaserig (adj)
long fibrous *or* grained
à longues fibres

съ длинными волокнами
a fibra lunga
de fibras largas

7

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geradfaseriges Holz (n)
straight fibred *or* grained timber
bois (m) à fibres droites

дерево (n) съ прямыми волокнами
legno (m) a fibra diritta *o* longitudinale
madera (f) de fibras derechas

8

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schlicht gewachsenes Holz (n)
straight grown timber
bois (m) à fibres de croissance droite

прямослойное дерево (n)
legno (m) di crescita a fibra diritta
madera (f) de fibras regulares

9

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kraus gewachsenes Holz (n)
wavy grown timber
bois(m) à fibres ondulées

свилеватое дерево (n)
legno (m) di crescita a fibra riccia
madera (f) de fibras sinuosas

10

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1
Markstrahl (m), Spiegel [-faser (f)] (m)
medullary ray, transverse septa "silver grain"
rayon (m) médullaire

сердцевинный лучъ (m)
crepa (f) del midollo
radio (m) medular

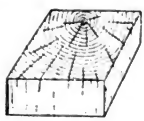
2
Markfleckchen (n)
medullary blemish
tache (f) médullaire

сердцевинное повторение (n)
macchia (f) o vizio (m) del midollo
mancha (f) medular

3
quer auf die Fasern arbeiten (v)
to work across the grain
travailler (v) à contre-fil

рѣзать поперёкъ волоконъ
lavorare (v) contro le fibre
trabajar (v) á través de las fibras, tronzar (v)

4
Hirnfläche (f), Hirnholz (n)
cross cut end of timber
bois (m) de bout, surface (f) d'une tranche



торцёвая поверхность (f); торецъ (m); плоскость (f) поперечнаго сѣченія дерева
intestatura (f)
superficie (f) producida a través de las fibras, madera (f) tronzada

5
Arbeit (f) auf Hirnholz
work on the cross cut end of timber
travail (m) d'une surface de bout

работа (f) въ торцѣ
lavoro (m) normale alla fibra
trabajo (m) sobre la corte de la madera tronzada

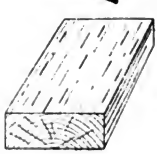
6
Spiegelfläche (f), Spaltfläche (f), Spiegel (m), Radialschnitt (m)
silky surface
surface (f) brillante de bois, surface (f) d'une coupe radiale

радіальный разрѣзъ (m) дерева; зеркальная поверхность (f) сердцевинныхъ лучей [при радіальномъ расколѣ дерева]
superficie (f) radiale
superficie (f) producida al partir á lo largo de las fibras

7
Fladerfläche (f), Tangentialschnitt (m)
tangential surface
surface (f) tangente

тангентальный разрѣзъ (m)
superficie (f) tangenziale
superficie (f) tangencial

8
Wölbfläche (f)
surface in the direction of the grain
surface (f) dans la direction des fibres



поверхность (f) при тангентальномъ разрѣзѣ
superficie (f) incurvata
superficie (f) á lo largo de las fibras

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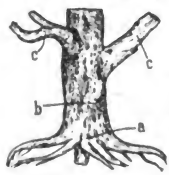
Flader (m)
vein, raised grain
moucheture (f), veine (f) (du bois)

свиль (f) *или* прожилки (fpl) древесины
vena (f)
veta (f)
1

Maserung (f)
veined wood, raised grain wood
veinure (f), bois (m) veiné *ou* madré

узорчатость (f) древесины; текстура (f)
venatura (f)
veteado (m)
2

Wurzelholz (n)
root timber
bois (m) de racine



древесина (f) корней
legno (m) di radice, radica (f)
madera (f) de la raiz
3

a

Stockholz (n)
trunk timber
bois (m) du tronc

b

пневой матеріалъ (m)
legno (m) di tronco *o* del corpo
madera (f) de tronco
4

Astholz (n)
branch timber
bois (m) des branches

c

сучья (m pl); сучнякъ (m)
legno (m) di ramo
madera (f) de ramas
5

Krone (f)
crown
couronne (f)

крона (f) дерева
spoglio (m) *o* corona (f) di un albero
corona (f)
6

Baumtrumm (n)
log, tree trunk, bole
tronc (m) d'arbre

бревно (n)
tronco (m), fusto (m) di albero
tronco (m) de árbol
7

Holzscheibe (f)
thin section of a log
tranche (f) de tronc

кружокъ (n), отпиленный отъ ствола
disco (m) di legno
disco (m) de madera
8

Handelsholz (n)
commercial timber
bois (m) du commerce

сортовый лѣсъ (m) на продажу
legno (m) del commercio
madera (f) del comercio
9

Bauholz (n)
construction timber, building timber
bois (m) de construction

строевой лѣсъ (m); строительный лѣсъ (m)
legno (m) di costruzione
madera (f) de construcción
10

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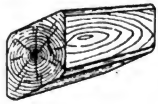
1 Rundholz (n)
round timber
bois (m) rond

круглый лѣсъ (m); круглякъ (m)
legno (m) tondo *o* tondone
madera (f) redonda

2 Block (m)
block
bille (f), grume (f)



кряжъ (m)
tronco (m) *o* fusto (m) lavorato
viga (f)

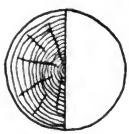
3 Schneideblock (m)
block for converting
bille (f) à débiter

пильный лѣсъ (m)
tronco (m) da tagliare *o* lavorare *o* squadrare
viga (f) para sacar tablas

4 Ganzholz (n)
whole section *or* log
section (f) entière

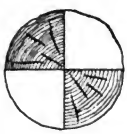
[цѣлое] бревно (n)
tronco (m) intero, tronco (m) greggio
tronco (m) de sección entera

5 Halbholz (n)
half section, half log
demi-bois (m)



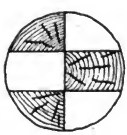
половинникъ (m); плаха (f); пластина (f)
tronco (m) dimezzato per il lungo, mezzo-tronco (m)
tronco (m) de sección media

6 Kreuzholz (n), Viertelholz (n)
quarter section *or* cleft,
quartered timber
[bois (m) débité en] quart (m) de rond, quartier (m) de tronc



четверть (f) бревна; четвертина (f)
tronco (m) tagliato in quattro per il lungo, quarto (m) di tronco
madera (f) de tronco partido en cuartos

7 Sechstelholz(n), Stollenholz (n)
log in six sections
[bois (m) débité en] sixième (m) de rond



штольный лѣсъ (m); обаполъ (m); часть (f) ствола, получаемая при продольной раздѣлкѣ его на шесть частей
tronco (m) tagliato in sei per il lungo, sesto (m) di tronco
madera (f) de tronco partido en seis partes

8 Langnutzholz (n) Langholz (n)
long spars *or* beams
poutre (f) [carrée *ou* ronde], tronc (m) équarri

длинномѣрный лѣсъ (m): строевой *или* подѣлочный лѣсъ
trave (f)
vigas (f) largas [de sección cuadrada *ó* rectangular *ó* redonda]

9 Derbholz (n)
close grained wood
bois (m) compact

матёрая древесина (f); матёрый лѣсъ (m)
tronco (m) grosso, somero (m)
madera (f) compacta

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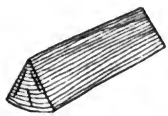
Knüppelholz (n)
faggot wood
rondin (m)

угольникъ (m); тонкій [до 1½ вершковъ] дровяной матеріалъ (m) изъ сучьевъ
tronco (m) sottile, terzera (f), bordonale (m) 1
madera (f) de rollo, leño (m)

Scheitholz (n)
billet wood, split log
bûche (f)



колотое полѣно (n); плашникъ (m)
legno (m) spaccato
madera (f) cortada en forma de cuña, leño (m) 2

Schichtholz (n)
heap *or* bundle of logs
bûches (f pl) en tas

лѣсъ (m), отпускаемый полѣньницами *или* складочною мѣрою
legno (m) accatastato
leño (m) colocado en capas 3

Festmeter (n), fm
timber testing apparatus
mètre (m) cube théorique

кубическій метръ (m) плотной древесины безъ промежутковъ
misuratura (f) a corpo
metro (m) cúbico teórico 4

Raummeter (n), rm
cubature measure
stère (m)

кубическій метръ (m) складочной мѣры (т. е. считая и промежутки между полѣньями)
cubatura (f)
estéreo (m) 5

vorgeschnittenes Holz (n)
roughly sawn timber
bois (m) scie

грубо-опиленный лѣсъ (m)
legno (m) tagliato greggio
madera (f) aserrada 6

Schnittholz (n), geschnittenes Holz (n)
converted timber
bois (m) débité

пиленый матеріалъ (m)
legno (m) squadrato *od* a quattro fili
madera (f) cortada 7

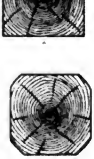
Kantholz (n)
scantling, rectangular timber
bois (m) équarri

брусъ (m); брусковый матеріалъ (m)
trave (f) squadrata
madera (f) escuadrada 8

scharfkantig (adj)
sharp edged (adj)
à angle vif

острокантный; шарфкантный
acutangolo (agg)
de ángulo agudo 9

baumkantig (adj)
dull edged, rough edged
à arêtes arrondies



обзольный; съ обзой; съ обливиной
arrotondato (agg)
de aristas redondas 10

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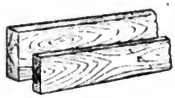
1 Pfosten (m)
scantling
poteau (m), poutre (f)

брусъ (m); пластина (f); толстая доска (f)
travetto (m)
vigueta (f) de madera, pie (m) derecho

2 Holzbalken (m)
wood beam
poutre (f) en bois

деревянная балка (f)
trave (f) in legno
viga (f) de madera

3 Breitschnittholz (n)
broad timbers
poutre (f) *ou* madrier (m) rectangulaire (plus haut que large)



широкія доски (f pl)
trave (f) a sezione rettangolare, smezzola (f)
viga (f) de sección rectangular

4 Planke (f)
plank
planche (f) épaisse

планка (f); толстая доска (f)
tavolone (m)
tabla (f) gruesa

5 Bohle (f)
thick plank
madrier (m)

пластина (f); толстая доска (f)
tavola (f)
plancha (f), madero (m)

6 Brett (n)
board
planche (f)

доска (f)
assicella (f)
tabla (f)

7 Diele (f)
deal
madrier (m) de plancher

половица (f); половая доска (f)
listone (m)
tabla (f) de entarimado

a

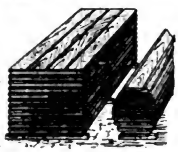
8 Latte (f)
lath
latte (f)

брусокъ (m); рѣшетникъ (m); рейка (f)
travetto (m), corrente (m), bordonale (m)
lata (f)

9 Holzstange (f)
wood strip
tige (f) de bois

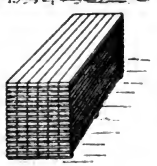
жердь (f); шестъ (m)
travicello (m)
palo (m) de madera, listón (m)

10 Bretterlager (n)
timber store
magasin (m) *ou* dépôt (m) de planches



складъ (m) досокъ
deposito (m) di legname
depósito (m) de tablas

11 Bretterstoß (m)
stack of boards
tas (m) de planches, planches (f pl) en tas



штабель (m) досокъ; штабель (m)
catasta (f) di legname
pila (f) de tablas

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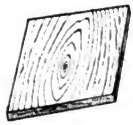
Holzplatte (f)
wooden slab
plaque (f) de bois



пластина (f)
tavoletta (f) di legno
placa (f) de madera *1*

Furnier (n), Span (m)
veneer
feuille (f) de placage

фанера (f)
impellicciatura (f)
chapa (f) de madera *2*

Borkware (f)
bark ware
écorces (f pl) du commerce

корьё (n); коровóй товаръ (m)
legname (m) greggio, tronco (m) con corteccia
mercancía (f) de corteza *3*

abschwarten (v)
slabbing, dressing off the bark
enlever (v) l'écorce

обтёсывать; снимать горбыли
squadrare (v), tagliare (v) la corteccia
descortezar (v) *4*

Schwarte (f)
bark
écorce (f)

горбина (f); горбыль (m)
corteccia (f), scorza (f)
corteza (f), costera (f) (de un madero aserrado) *5*

Brennholz (n)
firewood
bois (m) de chauffage

дрова (n pl)
legna (f pl) da fuoco o da ardere, legna (f pl)
madera (f) de combustión, leña (f) *6*

Bündelholz (n)
bundle of wood
[bois (m) de] fagot (m)

вязанка (f) дровъ
fascio (m) di legna, fascina (f)
madera (f) de haz *7*

Reisig (n)
brushwood
ramée (f), branchage (m)

хворостъ (m); сучья (m pl)
rami (m pl)
ramaje (m) seco *8*

Holzabfall (m)
waste wood
déchet (m) de bois

щепа (f); отёски (m pl); отбросъ (m)
rifiuto (m), scarto (m)
residuos (m) de madera *9*

Sägespäne (m pl)
sawdust
sciure (f) de bois

опилки (m pl)
segatura (f)
serrín (m) *10*

Holzstaub (m)
wood powder
poussière (f) de bois, farine (f) de bois

древесная пыль (f)
polvere (f) di legno
polvo (m) de madera *11*

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1 Holzschliff (m)
wood cuttings *or* shavings
pâte (f) de bois

древесная механическая масса (f)
legno (m) polverizzato
pasta (f) de residuos de madera

2 Rute (f)
thin bough *or* stick
verge (f)

прутъ (m)
bacchetta (f), verga (f)
verga (f)

3 Rohr (n)
tube, bamboo
roseau (m), jonc (m), canne (f), bambou (m)

трубка (f)
legno (m) cavo, canna (f)
tubo (m), caña (f)

4 Stroh (n)
straw
paille (f)

солома (f)
paglia (f)
paja (f)

5 Holzwolle (f)
wood wool
laine (f) de bois

древесная шерсть (f)
lana (f) di legno
lana (f) de madera

6 Holzwoll[e]faden (m)
thread of wood wool
filament (m) de laine de bois

нить (f) древесной шерсти
pelo (m) di legno
hilo (m) de lana de madera

7 Holzgüte (f)
quality of wood
qualité (f) du bois

качество (n) лѣса
qualità (f) del legno
cualidad (f) de la madera

8 Kronholz (n)
crown wood
bois (m) de première qualité

лучшій строевой лѣсъ (m)
legname (m) di grosse misure *o* di prima scelta
madera (f) de excelente cualidad

9 astfreies Holz (n)
branchless stem
essence (f) sans branche, bois (m) sans nœuds

лѣсъ (m) безъ сучьевъ
tronco (m) liscio *o* senza rami, legname (m) senza nodi
madera (f) libre de nudos

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astreiches *oder* ästiges Holz (n)
branchy stem
bois (m) noueux

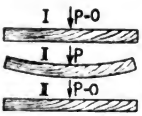
сучковатый лѣсъ (m)
tronco (m) con rami *o* con nodi, legname (m) con nodi
madera (f) nudosa, madera (f) con abundantes ranuras *ó* nudos *1*

Holzalter (n)
age of wood
âge (m) du bois

возрастъ (m) дерева *или* лѣса
età (f) del legno
edad (f) de la madera *2*

Holzfällung (f)
tree felling
abatage (m) du bois

рубка (f) лѣса
taglio (m) del legno, disboscamento (m)
tala (f) *ó* corta (f) de árboles, desmonte (m) *3*



elastisches Holz (n)
springy *or* elastic wood
bois (m) souple

гибкое дерево (n)
legno (m) elastico
madera (f) elástica *4*

Biegsamkeit (f)
flexibility
souplesse (f) du bois

гибкость (f)
flessibilità (f)
elasticidad (f) de la madera *5*

---

zähes Holz (n)
tough wood
bois (m) raide

вязкое дерево (n)
legno (m) tenace
madera (f) tenaz *6*

Zähigkeit (f)
toughness
tenacité (f), raideur (f)

вязкость (f)
tenacità (f) del legno
tenacidad (f) *7*

Brackholz (n), brausches *oder* sprockes *oder* abgestandenes Holz (n), brüchiges Holz (n)
decayed *or* perished wood
bois (m) de rebut, bois (m) fendillé

бракъ (m); непрочное *или* ломкое дерево (n)
legno (m) fragile *o* fradicio
madera (f) quebradiza *ó* podrida *8*

Spaltbarkeit (f)
splitting property *or* capability
propriété (f) de pouvoir être fendu

колкость (f); раскалываемость (f); способность (f) раскалываться
facilità (f) ad essere spaccato
propiedad (f) de poder ser partida *9*

Spaltung (f)
splitting, cleaving
fendage (m)

колка (f); раскалываніе (n)
spaccatura (f)
cortadura (f), separación (f) *10*

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1 leichtspaltig (adj), gutspaltig (adj)
easily split (adj)
facile (adj) à fendre

легко раскалывающийся; хорошо раскалывающийся
facile (agg) a spaccare
facil (adj) de partir

2 schwerspaltig (adj)
difficult (adj) to split
difficile (adj) à fendre

трудно раскалывающийся
difficile (agg) a spaccare
difícil (adj) de partir

3 unspaltig (adj)
impossible (adj) to split
impossible (adj) à fendre, de fendage impossible

нераскалывающийся
non spaccabile (agg)
imposible (adj) de partir

4 Holzhärte (f)
hardness of wood
dureté (f) du bois

твёрдость (f) дерева
durezza (f) del legno
dureza (f) de la madera

5 Hartholz (n), hartes Holz (n)
hard wood
bois (m) dur

твёрдое дерево (n)
legno (m) duro
madera (f) dura

6 weiches Holz (n)
soft wood
bois (m) tendre

мягкое дерево (n)
legno (m) tenero
madera (f) blanda

7 [saft]frisches Holz (n), grünes Holz (n)
green wood
bois (m) vert

свежее дерево (n); свежесрубленное дерево
legno (m) verde *o* non stagionato
madera (f) verde

8 Saftgehalt (m)
sappiness
teneur (f) en sève

содержание (n) соковъ; количество (n) соковъ
tenore (m) dell'umore
contenido (m) de savia

9 Feuchtigkeitsgrad (m)
degree of humidity
degré (m) d'humidité

степень (f) влажности
grado (m) di umidità
grado (m) de humedad

10 langsames Austrocknen (n) eines Stammes
long period seasoning *or* drying of a log
saisonnage (m) *ou* séchage (m) lent d'un tronc

продолжительное высушиваніе (n) ствола; медленная просушка (f) ствола
essiccamento (m) lento *o* stagionatura (f) lenta del tronco
secado (m) lento de un tronco

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[schraubenförmiges] Berappeln (n)
spiral peeling of the bark
décortication (f) en spirale

винторѣзное снятіе (n) коры
scortecciatura (f) a spirale
descortezadura (f) en espiral

1

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trock[e]nes Holz (n)
seasoned *or* dried wood
bois (m) sec

сухое дерево (n); высушенное дерево
legno (m) secco *o* stagionato
madera (f) seca

2

---

waldtrocknes Holz (n)
wood dried in the forest
bois (m) séché en forêt

высушенное въ лѣсу дерево (n)
legno (m) stagionato nel bosco
madera (f) secada en el bosque

3

---

lufttrocknes Holz (n)
air dried wood
bois (m) séché à l'air

воздушно сухое дерево (n)
legno (m) stagionato all'aria
madera (f) secada al aire

4

---

gedörrtes Holz (n)
dessicated wood
bois (m) très sec *ou* desséché

искусственно высушенный лѣсъ (m); искусственно высушенное дерево (n)
legno (m) disseccato
madera (f) resecada

5

Dörren (n) des Holzes
dessicating of wood
séchage (m) du bois

искусственная сушка (f) лѣса *или* дерева
disseccamento (m) *o* essiccamento (m) del legno
resecado (m) de la madera

6

Nachdunkeln (n) des Holzes
turning dark of the wood
rembrunissement (m) du bois (en vieillissant)

потемнѣние (n) дерева
abbrunimento (m) del legname
el oscurecer de la madera

7

Grüngewicht (n)
weight of green wood
poids (m) du bois vert

вѣсъ (m) свѣже-срубленнаго дерева
peso (m) del legname verde
peso (m) de la madera verde

8

Trockengewicht (n)
weight of dry wood
poids (m) à [l'état] sec

вѣсъ (m) сухого дерева
peso (m) del legname stagionato
peso (m) de la madera seca

9

Lufttrockengewicht (n)
weight of air dried wood
poids (m) du bois séché à l'air

вѣсъ (m) воздушно-сухого дерева
peso (m) del legno stagionato all'aria
peso (m) de la madera secada al aire

10

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Dürrgewicht (n)
weight of dessicated wood
1 poids (m) du bois desséché
вѣсъ (m) искусственно высушеннаго дерева
peso (m) del legno disseccato
peso (m) de la madera resecada

schweres Holz (n)
heavy wood
2 bois (m) lourd
тяжёлое дерево (n)
legno (m) pesante
madera (f) pesada

leichtes Holz (n)
light wood
3 bois (m) léger
лёгкое дерево (n)
legno (m) leggiero
madera (f) lijera

loses (porõses) Holz (n)
porous wood
4 bois (m) poreux
пористое дерево (n)
legno (m) poroso
madera (f) esponjosa

Quellen (n) des Holzes
swelling of wood
5 gonflement (m) du bois
разбуханіе (n) дерева
gonfiamento (m) del legno
el esponjarse de la madera

quellen (v)
to swell
6 gonfler (v)
разбухать
gonfiarsi (v)
esponjarse (v)

Schwinden (n) des Holzes
shrinkage of wood
7 retrait (m) du bois
усыханіе (n) дерева
restringimento (m) del legno
consunción (f) de la madera, disminución (f) de volumen de la madera

schwinden (v)
to shrink
8 se contracter (v)
ссыхаться; усыхать
restringersi (v)
contraerse (v)

Schwindmaß (n)
extent of shrinkage
9 grandeur (f) du retrait
надбавка (f) на усушку; величина (f) усушки
misura (f) del restringimento
medida (f) de la disminución

Arbeiten (n) des Holzes
wood working
10 travail (m) du bois
явленіе (n) усыханія и разбуханія древесины
dilatazione (f) e restringimento (m) del legno
trabajo (m) de la madera

Werfen (n), Ziehen (n), Krümmen (n) (des Holzes)
warping of wood
11 déjettement (m) du bois
коробленіе (n); стягиваніе (n); искривленіе (n) [дерева]
imbarcatura (f)
el arquearse ó el contraerse de la madera

sich werfen (v)
to warp
12 se déjeter (v)
коробиться; стягиваться; искривляться
imbarcarsi (v)
contraerse (v), torcerse (v)

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Längskrümmung (f)
longitudinal warping
courbure (f) longitudinale *ou* dans le sens de la longueur

a

продольное коробленіе (n)
imbarcatura (f) per il lungo
el arquearse en sentido longitudinal

1

Breitenkrümmung (f)
transverse warping
courbure (f) transversale

поперечное коробленіе (n)
imbarcatura (f) di traverso
el arquearse en sentido transversal

2

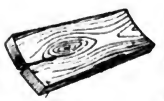
---

windschief werden (v)
to become twisted
se déjeter (v) par l'action du vent

коробиться [по винтовой поверхности]
storcersi (v), imbarcarsi (v)
torcerse (v) en todas direcciones

3

Reißen (n) (des Holzes)
cracking *or* splitting of the wood
gercement (m) *ou* déchirement (m) du bois



растрескиваніе (n) дерева
screpolatura (f), spaccatura (f)
el rajarse de la madera

4

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reißen (v)
to crack, to split
se crevasser (v)

трескаться; давать трещины
screpolarsi (v), spaccarsi (v)
rajarse (v)

5

Trockenspalten (n) des Holzes
splitting during drying
formation (f) de fentes de sécheresse *ou* de gerces dans le bois

трещина (f) въ деревѣ отъ высыханія
screpolatura (f) di stagionatura
el agrietarse en seco de la madera

6

Holzfehler (m)
flaw *or* defect in wood
défaut (m) du bois

поро́къ (m) дерева
difetto (m) *o* imperfezione (f) del legno
faltas (f pl) de la madera

7

Holzkrankheit (f)
disease of wood *or* trees
maladie (f) du bois

болѣзнь (f) дерева
malattia (f) del legno
enfermedad (f) de la madera

8

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krummgewachsenes Holz (n)
crooked grown tree
arbre (m) déjeté *ou* contourné

кривоствольное дерево (n)
fusto (m) storto di legno
árbol (m) torcido

9

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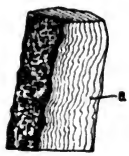
1 wimmeriger Wuchs (m) Wellenfaserigkeit (f)
wavy fibred growth
croissance (f) ondulée, ondulation (f) des fibres



свилеватый ростъ (m); свилеватостъ (f)
crescita (f) a fibre ondulate, ondulazione (f) delle fibre
crecimiento (m) ondulado de las fibras

---

2 wellenförmige Faser (f)
wavy fibre
fibre (f) ondulée

a

свилеватое волокно (n)
fibra (f) ondulata
fibra (f) ondulada

---

3 Drehwuchs (m), Drehwüchsigkeit (f)
twisted growth
contournement (m) en spirale, croissance (f) en spirale

косослой (m); косослойность (f)
crescita (f) contorta
crecimiento (m) en espiral

---

4 Strauchwuchs (m), Kollerwuchs (m)
stunted growth
tronc (m) *ou* arbre (m) rabougri

ростъ (m) кустарникомъ
crescita (f) rattrappita *o* stentata
árbol (m) achaparrado

---

5 Maserwuchs (m)
veined growth
croissance (f) d'un arbre veiné

свилеватый наростъ (m); капъ (m); свиль (f)
crescita (f) a fibre contorte
crecimiento (m) de un árbol de madera veteada

---

6 maseriges Holz (n)
veined *or* raised grain wood
bois (m) veiné

свилеватое дерево (n)
legno (m) a fibre contorte
madera (f) con vetas

---

7 Außenriß (m)
external crack
fente (f) extérieure, gerce (f)

наружная трещина (f)
screpolatura (f) esterna
raja (f) *o* grieta (f) exterior

---

8 Strahlenriß (m)
star shake
fente (f) étoilée

радіальная трещина (f); древесная трещина вѣтровица (f); вѣтренница (f); розъ (f)
screpolatura (f) a raggiera, screpolatura (f) a stella
raja (f) radial

---

9 Waldriß (m), Luftriß (m), Sonnenriß (m)
natural crack
crevasse (f) due aux agents atmosphériques

трещина (f), образовавшаяся при паденіи ствола
screpolatura (f) naturale
raja (f) natural

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Innenriß (m)
internal shake
crevasse (f) intérieure

внутренняя трещина (f); [фиг.:] трещина отъ усыханія 1
screpolatura (f) interna
raja (f) interior

Kernriß (m)
heart shake
crevasse (f) dans le cœur

сердцевинная трещина (f); метикъ (m) 2
screpolatura (f) centrale
raja (f) central

Frostriß (m)
frost shake
gélivure (f)

морозобоина (f); морозная трещина (f) 3
screpolatura (f) dovuta al gelo
heladura (f)

Frostleiste (f)
bark affected by action of frost
gonflement (m) cortical dû à la gelée

морозобоиный хребетъ (m); валикообразный наростъ (m) на морозобоинѣ; валикъ (m) 4
fenditura (f) longitudinale dovuta al freddo
marca (f) de heladura en el exterior

Kappenriß (m)
cup and star shaked
crevasse (f) due au fendage

заросшая трещина (f)
screpolatura (f) dovuta al caldo *od* al freddo, colpo (m) di sole *o* di freddo 5
raja (f) debida á la corta ó al hendimiento

Ringschäle (f), Kernschäle (f)
internal annular shake
roulure (f)

отлупъ (m)
cipollatura (f) 6
rolura (f)

Ringkluft (f)
cup shake
crevasse (f) annulaire

a

трещина (f) между годичными кольцами
screpolatura (f) dovuta alla cipollatura, cipollatura (f) 7
raja (f) circular

Mondring (m)
halo, blown, false sap
lunure (f)

двойная заболонь (f)
lunatura (f), lunura (f) 8
anillo (m) lunar

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1	Spiegelkluft (f) clean split fissure (f) dans le sens des fibres		трещина (f) по радіальному разрѣзу fenditura (f) raja (f) longitudinal
2	Fäulnis (f) rot pourriture (f)		гниль (f); ситовина (f) putrefazione (f), infracidamento (m) carcoma (f)
3	Rotfäule (f) red rot pourriture (f) du cœur		красная гниль (f); краснуха (f); [Сѣв. губ.:] сосна (f) putrefazione (f) rossa carcoma (f) roja
4	rotfaul (adj) red rotted (adj) pourri (adj) au cœur		поражённый красной гнилью putrefatto (agg) e colorato (agg) in rosso carcomido (adj) en el corazón
5	Weißfäule (f) white rot pourriture (f) sous l'écorce		бѣлая гниль (f) putrefazione (f) bianca carcoma (f) blanca
6	weißfaul (adj) white rotted (adj) pourri (adj) sous l'écorce		поражённый бѣлой гнилью putrefatto (agg) e colorato (agg) in bianco carcomido (adj) en la circunferencia
7	Grünfäule (f) green rot pezize (f), putréfaction (f) due à la pezize	Peziza acruginosa	зелёная гниль (f) putrefazione (f) verde putrefacción (f) debida à la «pezize»
8	Trockenfäule (f) dry rot putréfaction (f) séche		сухая гниль (f); [Сѣв. губ.:] сушина (f); [Костр. губ.:] сухопечень (f) putrefazione (f) secca putrefacción (f) seca
9	Naßfäule (f) wet rot putréfaction (f) humide		мокрая гниль (f); [Сѣв. губ.:] мокрослой (m) putrefazione (f) umida putrefacción (f) húmeda
10	Rotstreifigkeit (f) red stripiness bandes (f pl) de pourriture rouges		красныя полосы (f pl) striatura (f) a righe rosse tiras (f pl) rojas de putrefacción
11	Weißstreifigkeit (f) white stripiness bandes (f pl) de pourriture		гниль (f) полосами *или* поясьями striatura (f) a righe bianche tiras (f pl) de carcoma
12	Spreufleckigkeit (f) doatiness taches (f pl) pailletées		пёстрая *или* куропаточная *или* зебровая гниль (f) punteggiatura (f) manchas (f pl) punteadas

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spreufleckig (adj) doated (adj) pailleté (adj)		поражённый пёстрой гнилью punteggiato (agg), macchiettato (agg) punteado (adj)
Kernfäule (f) heart wood rot pourriture (f) du cœur		сердцевинная гниль (f) putrefazione (f) dell'anima carcoma (f) del corazón
Splintfäule (f) sapwood rot pourriture (f) de l'aubier		заболонная гниль (f); заболонокъ (m) putrefazione (f) dell'alburno carcoma (f) de la albura
Astfäule (f) branch rot pourriture (f) des branches		гниль (f), начавшаяся отъ сука putrefazione (f) dei rami carcoma (f) de las ramas
Stockfäule (f) trunk rot pourriture (f) complète		стволовая гниль (f) putrefazione (f) del tronco carcoma (f) de todo el tronco
Wurzelfäule (f) root decay *or* rot pourriture (f) des racines		напённая *или* корневая гниль (f); напёнышъ (m); муравей (m); подмуравокъ (m) putrefazione (f) delle radici carcoma (f) de las raices
Astknoten (m) branch knot nœud (m) a la naissance de la branche		сучковатость (f) nodo (m) [di ramo] nudo (m) de las ramas
Holzkropf (m) tree wart, rind gall excroissance (f) du tronc		наплывъ (m) на стволѣ escrescenza (f) del tronco nudo (m) vicioso
Holzkrebs (m) cankerous growth tuméfaction (f) de l'écorce		ракъ (m) дерева cancredine (f) del legno cancer (m) de la madera

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1	echter Holzschwamm (m), echter Hausschwamm (m) wood fungus, fungous growth champignon (m) du bois	Merulius lacrymans	домовой грибъ (m); домовая губка (f); домашній *или* древесный *или* половой грибъ; поздревикъ (m)-разрушитель (m) fungo (m) vero del legno, fungosità (f) vera del legno champiñon (m) de madera
2	unechter *oder* weißer Holzschwamm (m) *oder* Hausschwamm (m) white wood fungus polypore (m) des conifères, champignon (m) vivant sur les conifères	Polyporus vaporarius	трутовикъ (m), съ растилающимся плодовымъ тѣломъ, состоящимъ изъ большихъ, бѣлыхъ, угловатыхъ трубочекъ fungo (m) falso del legno hongo (m) que vive sobre los coníferos
3	**Wichtige Nutzhölzer** **Important Woods of Commerce** **Bois de construction**		**Важнѣйшій подѣлочный лѣсъ** **Principali legnami utilizzabili** **Especies importantes de maderas de labrar**
4	Splint[holz]baum (m) sapwood (tree) arbre (m) de bois d'aubier		безъядровое дерево (n) albero (m) *od* alburno (m) utilizzabile árbol (m) de albura
5	Reifholzbaum (m) heartwood (tree) arbre (m) de bois complètement utilisable		спѣлое дерево (n) tronco (m) completamente utilizzabile árbol (m) de madera utilizable
6	Kern[holz]baum (m) heartwood (tree) arbre (m) de bois de cœur		сѣмянное дерево (n) albero (m) ad anima utilizzabile con poco alburno árbol (m) de madera de corazón
7	Schiffbauholz (n) timber for shipbuilding bois (m) de construction navale, bois (m) de marine		корабельный лѣсъ (m) legno (m) per costruzioni navali madera (f) para construcción de buques
8	Tropenholz (n) tropical wood bois (m) des tropiques		тропическій лѣсъ (m) legno (m) tropicale madera (f) tropical
9	Eibe (f), Ibenbaum (m), Taxus (m) yew if (m) commun	Taxus baccata	тиссъ (m); тисовое дерево (n) tasso (m), albero (m) della morte tejo (m) común

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Tanne (f), Weißtanne (f) Edeltanne (f) fir sapin (m) argenté *ou* commun	Abies pectinata	европейская пихта (f) abete (m), pino (m) bianco, abete (m) maschio, avellino (m) abeto (m), abeto (m) albar *o* común	*1*
Balsamtanne (f) balsam fir sapin (m), baumier (m),	Abies balsamea	бальзамическая пихта (f) abete (m) resinoso abeto (m) balsámico	*2*
Fichte (f), Rottanne (f), Pechtanne (f) pine, common spruce epicea (m), sapin (m) du nord	Picea excelsa (Abies excelsa, Pinus abies, Pinus excelsa)	ель (f); обыкновенная *или* европейская ель; елина (f); ялина (f) abete (m) di Germania *o* di Moscovia, abete (m) rosso, pezzo (m) abeto (m) de Noruega	*3*
Douglastanne (f) Douglas spruce, red fir Pseudotsuga (f) de Douglas, sapin (m) de Californie *ou* du Mexique	Pseudotsuga Douglasii, Pseudotsuga mucronata	дуглассовая пихта (f) abete (m) di Douglas abeto (m) de California	*4*
[gemeine] Kiefer (f), Föhre (f) red fir, Scotch pine, deal pin (m) sylvestre, sapin (m) rouge	Pinus silvestris	сосна (f) pino (m) comune, pino (m) delle Alpi, pino (m) di Scozia pino (m) silvestre	*5*
Bergkiefer (f), Krummholzkiefer (f), Legföhre (f) mountain pine pin (m) de montagne, pin (m) de Briançon	Pinus montana	горная сосна (f) pino (m) di monte, pino (m) montano pino (m) de montaña	*6*
Schwarzkiefer (f), Schwarzföhre (f) black pine pin (m) de Corse	Pinus laricio	австрійская *или* чёрная сосна (f); крымская сосна pino (m) di Corsica, pino (m) larice pino (m) de Córcega	*7*
Strandkiefer (f), Seekiefer (f) Seeföhre (f), Igelföhre (f), Sternkiefer (f) cluster pine, pinaster pin (m) maritime *ou* des landes	Pinus pinaster	приморская сосна (f) pino (m) marino, pino (m) selvatico pino (m) marítimo	*8*
Weymouthkiefer (f) white pine, Weymouth pine, American yellow pine pin (m) Weymouth (pin blanc canadien)	Pinus strobus	веймутова сосна (f) pino (m) bianco americano, pino (m) Weymouth pino (m) Weymouth	*9*
Zirbelkiefer (f), Arve (f) cembra pine, stone pine pin (m) cembre, pin (m) alviés, arve (m)	Pinus cembra	сибирскій кедръ (m); кедровый сланикъ (m) *или* сланецъ (m) pino (m) cirmo, pino (m) cimbro pino-cembro (m), cembro (m)	*10*

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1	amerikanische Terpentinkiefer (f), Pitchpine long leaved pine, Georgia pine, southern pine, pitch pine pitch pine (m)	Pinus palustris	бѣлая американская сосна (f); пичь-пайнъ (m) pitchpino (m) pitchpine (m)
2	Lärche (f) larch mélèze (m) d'Europe	Larix europaea	европейская лиственница (f) larice (m), larice (m) d'Europa alerce (m), pino (m) alerce
3	echte Zeder (f) cedar cèdre (m)	Pinus cedrus, Cedrus Libani	настоящій кедръ (m) cedro (m), cedro (m) del Libano cedro (m) legitimo
4	Mammutbaum (m), Wellingtonie (f) giant redwood, Wellingtonia Sequoia (m), wellingtonie (f), arbre (m) mammouth	Sequoia gigantea, Wellingtonia gigantea	веллингтонія (f) vellingtonia (f), pino (m) rosso d'America árbol (m) Wellington gigantesco
5	[echte] Zypresse (f) cypress cyprès (m) commun	Cupressus sempervirens	[настоящій] кипарисъ (m) cipresso (m) comune, cipresso (m) sempre-vivo ciprés (m) común
6	Sumpfzypresse (f) bald cypress, deciduous cypress cyprès (m) chauve	Taxodium distichum	болотный *или* виргинскій *или* черный кипарисъ (m) cipresso (m) di palude cipresso (m) americano, ciprés (m) calvo
7	Wachholder (m) juniper genévrier (m) commun	Juniperus communis	обыкновенный можжевельникъ (m) ginepro (m) comune enebro (m)
8	Sadebaum (m), Sevenbaum (m), Sepenbaum (m) shrubby red cedar, rock cedar genévrier (m) savinier	Juniperus sabina	казацкій можжевельникъ (m) sabina (f) enebro (m) sabina
9	falsches Zedernholz (n), Bleistiftholz (n) pencil cedar, Virginian juniper, red cedar genévrier (m) de Virginie	Juniperus Virginiana	виргинскій можжевельникъ (m); карандашное дерево (n) ginepro (m) della Virginia enebro (m) de Virginia
10	Kokospalmenholz (n) cocos wood, cocoa nut palm bois (m) de cocotier	Cocos nucifera	кокосовая пальма (f) legno (m) di cocco madera (f) de cocotero
11	Weide (f) willow saule (m)	Salix	ива (f); верба (f) salice (m), salcio (m) sauce (m)

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Silberweide (f), Weißweide (f) white willow saule (m) blanc	Salix alba	серебристая ива (f) salice (m) bianco, salice (m) da pertiche sauce (m) blanco	1
Korbweide (f), Hanfweide (f), Flechtweide (f) water willow, osier osier (m) blanc	Salix viminalis	бѣлоталъ (m) vimine (m), vetrice (f), vinco (m), brillo (m) sauce (m) de mimbre	2
kaspische Weide (f) Caspian willow saule (m) caspien	Salix pruinosa	каспійская ива (f); тальникъ (m) salice (m) del Mar Caspio sauce (m) cáspico	3
Salweide (f), Sale (f) sallow willow saule (m) marsault, caprée (f)	Salix caprea	козья ива (f); бредина (f) salcio (m) *o* salice (m) selvatico, salica (f) sauce (m) del género caprea	4
Espe (f), Aspe (f), Zitterpappel (f) aspen, quaking aspen peuplier (m) tremble	Populus tremula	осина (f) pioppo (m) montano *o* tremolo, alberella (f) álamo (m) temblón	5
Silberpappel (f) silver poplar peuplier (m) blanc *ou* de Hollande	Populus alba	бѣлый *или* серебристый тополь (m) pioppo (m) bianco *o* comune, gattice (m) álamo (m) blanco	6
Schwarzpappel (f) black poplar peuplier (m) noir *ou* commun	Populus nigra	чёрный тополь (m); осокорь (f) pioppo (m) nero, albero (m) álamo (m) negro *o* común	7
kanadische Pappel (f) Canadian poplar, cottonwood peuplier (m) du Canada, peuplier (m) de la Caroline	Populus canadensis, Populus monilifera	канадскій тополь (m) pioppo (m) del Canadà, pioppo (m) americano álamo (m) del Canadá	8
Pyramidenpappel (f), italienische Pappel (f) Italian poplar peuplier (m) pyramidal, peuplier (m) d'Italie	Populus nigra L. var. italica, Populus pyramidalis	пирамидальный тополь (m) pioppo (m) cipressino álamo (m) de Italia	9
Schwarzerle (f), Roterle (f), klebrige Erle (f), Eller (f) alder aune (m), verne (m)	Alnus glutinosa	чёрная ольха (f) ontano (m) comune, alno (m) aliso (m)	10
Weißerle (f), Grauerle (f), nordische Erle (f) white alder, northern alder aune (m) à feuilles aigues	Alnus incana	бѣлая ольха (f) ontano (m) bianco aliso (m) de hojas agudas	11

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1	gemeine Birke (f), Weißbirke (f) common birch bouleau (m) commun	Betula verrucosa	берёза (f) betulla (f) comune, betulla (f), bidollo (m) abedul (m) común
2	gemeine Haselnuß (f) common hazel noisetier (m) commun, coudrier (m)	Corylus avellana	обыкновенный орѣшникъ (m) avellano (m), nocciuòlo (m), nocciòlo (m) avellano (m) común
3	Hainbuche (f), Weißbuche (f), Hagebuche (f), Hornbaum (m) hornbeam charme (m) commun	Carpinus betulus	грабъ (m) carpino (m) comune, carpino (m) bianco ojaranzo (m)
4	Rotbuche (f), gemeine Buche (f) beech hêtre (m) commun	Fagus silvatica	букъ (m) faggio (m) comune, faggio (m) rosso haya (f) común
5	Edelkastanie (f), echte Kastanie (f) chestnut châtaignier (m) commun	Castanea vesca	каштанъ (m) castagno (m) fruttifero, castagno (m) castaño (m) común
6	Stieleiche (f), Sommereiche (f), Früheiche (f) oak (pedunculata) chêne (m) à grappes	Quercus pedunculata	лѣтній дубъ (m) farnia (f), eschio (m) encina (f) pedunculada
7	Steineiche (f), Traubeneiche (f), Wintereiche (f) oak (sessiliflora) chêne (m) rouvre	Quercus sessiliflora	каменный дубъ (m); зимній дубъ quercia (f) a fiori sessili, rovere (m) roble (m)
8	immergrüne [Stech-] Eiche (f) holly oak, holm oak, ilex chêne (m) vert, yeuse (f)	Quercus ilex	вѣчнозелёный дубъ (m) leccio (m), elcio (m), elice (m) encina (f) verde, carrasca (f)
9	Roteiche (f) American red oak, Quebec oak chêne (m) d'Amérique	Quercus rubra	красный дубъ (m) quercia (f) rossa d'America encina (f) de America
10	Zerreiche (f), Burgundereiche (f), österreichische Eiche (f) Burgundy oak, Austrian oak chêne (m) de Bourgogne, chêne (m) vélu	Quercus cerris	бургундскій дубъ (m) cerro (m), rovere (m) di Slavonia, quercia (f) di Borgogna encina (f) de Borgoña
11	Korkeiche (f) cork oak chêne (m) liège	Quercus suber	пробковый дубъ (m) quercia (f) sugherifera, sughera (f) encina (f) de corcho, alcornoque (m)
12	Nußbaum (m), gemeiner Walnußbaum (m) walnut noyer (m) commun	Juglans regia	грецкій орѣхъ (m) noce (m) comune, noce (m) nogal (m) común

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Graunuß (f) grey walnut noyer (m) cendré *ou* à beurre	Juglans cinerea	сѣрый орѣхъ (m) noce (m) cenerognolo, noce (m) d'America nogal (m) gris	*1*
bittere Hickory (f), Bitternuß (f) hickory hickory (m), noyer (m) amer	Carya amara	горькій гикори (m) hickory (m), noce (m) amaro hicoria (f), nogal (m) amargo	*2*
[weiße] Hickory (f) white hickory hickory (m) blanc, noyer (m) blanc d'Amérique	Carya alba	бѣлый гикори (m) hickory (m) bianco hicoria (f) blanca	*3*
Ulme (f), Feldrüster (f), Rotulme (f), Rotrüster (f), Korkulme (f) common elm orme (m), ormeau (m)	Ulmus campestris Sp, Ulmus suberosa Ehrh	берестъ (m); карагачъ (m); полевой ильмъ (m) olmo (m) comune, olmo (m) sugheroso olmo (m)	*4*
Bergulme (f), Bergrüster (f), Haselrüster (f) mountain elm orme (m) à larges feuilles	Ulmus montana	ильмъ (m) olmo (m) montano, olmo (m) d'Olanda, olmo (m) di foglia larga, olmo (m) riccio olmo (m) de montaña *ó* de hojas anchas	*5*
Flatterulme (f), Flatterrüster (f), Bastrüster (f) soft leaved elm orme (m) à feuilles membraneuses	Ulmus effusa	вязъ (m) olmo (m) a fiori sparsi olmo (m) de hojas membranosas	*6*
Zürgelbaum (m) (Triester Holz) lote wood micocoulier (m) de Provence	Celtis australis (Celtis occidentalis)	каркасъ (m); крапивное дерево (n) bagolaro (m), spaccasassi (m), ciliegio (m) caccamo, arcidiavolo (m) madera (f) triestina, almez (m) de Provenza	*7*
Maulbeere (f) mulberry mûrier (m) blanc (noir)	Morus alba, Morus nigra	тутовое дерево (n); шелковица (f) gelso (m) *o* moro (m) bianco, moro (m) nero moral (m) blanco (negro)	*8*
Schlangenholz (n), Tigerholz (n), Letternholz (n), Buchstabenholz (n), Muskatholz (n) snake wood, letter wood, speckled wood, Leopard wood Brosimum (m) de la guyane, bois (m) de lettres de Chine, bois (m) de lettres moucheté, bois (m) amourette moucheté	Piratinera guianensis, Brosimum Aubletti	змѣиное дерево (n) legno (m) serpente Brosimum (m) de la Guayana	*9*

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1	Kampferbaum (m) camphor tree camphrier (m)	Camphora officinarum	камфорное дерево (n) canfora (f), albero (m) della canfora alcanfarero (m)
2	kleinblättrige Linde (f), Winterlinde (f) winter lime tilleul (m) à petites feuilles	Tilia parvifolia	мелколистная липа (f) tiglio (m) maremmano, tiglio (m) a foglie piccole, tiglio (m) selvatico, tiglio (m) comune, tiglio (m) riccio tilo (m) de hojas pequeñas
3	großblättrige Linde (f), Sommerlinde (f) summer lime tilleul (m) de Hollande	Tilia grandifolia	крупнолистная липа (f) tiglio (m) a foglie grandi, tiglio (m) domestico, tiglio (m) da viali, tiglio (m) nostrale tilo (m) de Holanda
4	gemeiner Buchsbaum (m) common box, boxwood buis (m) commun	Buxus sempervirens	самшитъ (m); кавказская пальма (f) bosso (m) comune, bosso (m), bossolo (m) boj (m)
5	Mahagoni (n) mahogany arbre (m) à acajou	Swietenia mahagoni	красное дерево (n); макагони (f); акашу (f) mogano (m) caoba (f)
6	Zigarrenkistenholz (n) cigar box wood Havanna wood, cedar bois (m) de caisses à cigares, cèdre (m) acajou	Cedrela odorata, Cedrela guianensis	вестъ-индскій кедръ (m); красное дерево (n) cedro (m) di Spagna, cedro (m) del Libano madera (f) para cajas de puros
7	Zitronenholz (n) lemon wood cédratier (m), [bois (m) de] citronnier (m)	Citrus medica	лимонное дерево (n) cedro (m) comune, limone (m) madera (f) de limonero, cidro (m)
8	Pockholz (n), Franzosenholz (n) guiacum wood, lignum-vitae [bois (m) de] gaïac (m)	Guajacum officinale	бакаутъ (m); бакаутовое дерево (n); гваякъ (m) guaiaco (m) nero, legno (m) santo guayaco (m)
9	Götterbaum (m) ailantus ailante (m), arbre (m) du ciel	Ailanthus glandulosa	айлантъ (m); китайскій ясень (m) ailanto (m), albero (m) del paradiso ailanto (m)
10	Roßkastanie (f) horse chestnut marronnier (m) d'Inde	Aesculus hippocastanum	конскій каштанъ (m) ippocastano (m), castagno (m) d'India, castagno (m) amaro, castagno (m) cavallino castaño (m) de India

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Bergahorn (m), gemeiner *oder* stumpfblättriger Ahorn (m) sycamore érable (m) sycomore	Acer pseudoplatanus	явор̀ъ (m) acero (m) di monte, acero-fico (m), loppone (m), testucchio (m) arce (m) sicomoro	*1*
Spitzahorn (m), spitzblättriger Ahorn (m) Norway maple érable (m) plan, érable (m) de Norvége, faux sycomore (m)	Acer platanoides	остролистный клёнъ (m) acero (m) riccio, acero (m) piano, platanaria (f), cerfico (m) arce (m) de Noruega, falso sicomoro (m)	*2*
Feldahorn (m), Maßholder (m) field maple, common maple érable (m) champêtre	Acer campestre	чернокл̀ънъ (m); полевой клёнъ (m) acero-loppo (m), loppio (m), chioppo (m) arce (m) campestre	*3*
Silberahorn (m), weißer Ahorn (m) silver maple, white maple, swamp maple érable (m) blanc	Acer dasycarpum	бѣлый клёнъ (m) acero (m) bianco arce (m) blanco	*4*
Zuckerahorn (m) sugar maple, hard maple érable (m) à sucre	Acer saccharinum	сахарный клёнъ (m) acero (m) da zucchero arce (m) á azúcar	*5*
Pfaffenhütchen (n), Spindelbaum (m), deutscher Buchsbaum (m) spindle tree bonnet (m) de prêtre, fusain (m)	Evonymus europaea	европейскій бересклет̀ъ (m) fusaria (f), fusaggine (f), berretta (f) da prete bonetero (m)	*6*
Platane (f) plane tree platane (m) commun	Platanus vulgaris, Platanus orientalis, Platanus occidentalis	платанъ (m); чинар̀ъ (m) platano (m), platano (m) d'Oriente plátano (m) común	*7*
Mandelbaum (m) almond tree amandier (m) commun	Amygdalus communis	миндальное дерево (n); миндал̀ь (m) mandorlo (m) comune almendro (m) común	*8*
Zwetsche (f), Zwetschke (f), Zwetschge (f), gemeine Pflaume (f) plum tree prunier (m) commun	Prunus domestica	обыкновенная слива (f) prugno (m), pruno (m), susino (m) ciruelo (m) común	*9*
Kriechpflaume (f) plum tree prunier (m) sauvage	Prunus insititia	изгородевая слѣнь (m) prugnolo (m) da siepe ciruelo (m) silvestre	*10*
Schwarzdorn (m), Schlehdorn (m) blackthorn prunellier (m), prunier (m) épineux	Prunus spinosa	тёрнъ (m); терновник̀ъ (m) pruno (m) selvatico, prugnolo (m), vegro (m) ciruelo (m) espinoso	*11*

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1	Wildkirsche (f), Vogelkirsche (f), Süßkirsche (f), Waldkirsche (f) wild cherry mérisier (m) des bois	Prunus avium	черешня (f) ciliegio (m) selvatico, ciliegio (m) montano cerezo (m) silvestre
2	Felsenkirsche (f), echte Weichsel (f) mahaleb cherry prunier (m) odorant	Prunus mahaleb	душистая *или* магалебская вишня (f); антипка (f); кучина (f) ciliegio (m) canino, visciolo (m), amarena (f) ciruelo (m) oloroso
3	Traubenkirsche (f), Ahlkirsche (f), Faulbaum (m) bird cherry tree mérisier (m) à grappes	Prunus padus	черёмуха (f) ciliegio (m) pado ciruelo (m) de racimos
4	[gemeiner] Weißdorn (m) hawthorn aubépine (f)	Crataegus oxyacantha	обыкновенный боярышникъ (m) biancospino (m) oxiacanta (f), espino (m)
5	Birnbaum (m) pear tree poirier (m) commun	Pirus communis	дикая груша (f) pero (m), pero (m) comune peral (m) común
6	Apfelbaum (m) apple tree pommier (m)	Pirus malus	дикая яблонь (f) *или* яблоня (f) pomo (m), melo (m) manzano (m)
7	Eberesche (f), Vogelbeere (f) mountain ash sorbier (m) des oiseaux	Sorbus aucuparia	обыкновенная рябина (f) sorbo (m) lazzeruolo, sorbo (m) degli uccellatori serbal (m) bravio, serbal (m) silvestre *ó* de los pajaros
8	Sperberbaum (m), zahme Eberesche (f), Speierling (m) service tree cormier (m)	Sorbus domestica	крымская *или* садовая рябина (f) sorbo (m) domestico serbal (m) doméstico
9	Elzbeere (f), Else (f) beam tree, wild service tree alizier (m) terminal	Sorbus torminalis, Pirus torminalis	глаговина (f); берека (f) ciavardello (m), baccarello (m) aliso (m) terminal
10	Mehlbeerbaum (m) white beam tree alouchier (m)	Sorbus aria	мучное дерево (n); гордъ (m); круглолистная рябина (f); бѣлый боярышникъ (m) sorbo (m) montano, sorbo (m) d'Europa aliso (m)
11	Gleditschie (f), Christusdorn (m) holly févier (m)	Gleditschia triacanthos	гледичія (f) gleditscia (f), spino (m) di Giuda *o* di Cristo espina (f) de Cristo

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Amarantholz (n), Luftholz (n), Purpurholz (n) purple heart, purple wood bois (m) violet, amarante (m) simiridis des galibis et des arronagues [genre (m) de copayer]	Copaifera bracteata	амарантовое дерево (n); красное дерево весть-индское дерево legno (m) porpora, legno (m) amaranto copaiba (f), madera (m) violada	1
Brasilienholz (n), Rotholz (n), Fernambukholz (n) Brazil wood, redwood bois (m) du Brésil	Caesalpinia brasiliensis, Caesalpinia echinata	фернамбукъ (m); бразильскій сандалъ (m) legno (m) di Fernambuco, legno (m) di Nicaragua madera (f) de Fernambuco	2
Sappanholz (n) sappan wood sappan (m)	Caesalpinia sappan	саппанъ (m) [родъ (m) краснаго дерева] verzino (m), legno (m) del Brasile madera (f) de sapán	3
Blauholz (n), Campecheholz (n) logwood bois (m) de campêche	Haematoxylon campechianum	синій сандалъ (m); кампешъ (m) campeccio (m) madera (f) de campeche	4
südamerikanisches Eisenholz (n) South American iron wood bois (m) de fer (Amérique du sud)	Swartzia tormentosa	южно-американское желѣзное дерево (n) legno (m) ferro, legno (m) ferro della Gujana madera (f) de hierro sud-americana, madera (f) de Indias	5
Sophore (f) sophore sophore (m) (du Japon)	Sophora japonica	японская софора (f) sofora (f), robinia (f) del Giappone, scotano (m) sophore (m)	6
falsche Akazie (f), Robinie (f) false acacia, locrust faux acacia (m), robinier (m)	Robinia pseudoacacia	бѣлая акація (f); робинія (f) falsa acacia (f), robinia (f), cascia (f) acacia (f) falsa	7
Veilchenholz (n), blaues Ebenholz (n), Myallholz (n) Myallwood acacia (m) d'Australie	Acacia homalophylla	фіолетовое палисандровое дерево (n); ненастоящее фіалковое дерево; синее эбеновое дерево; каенское дерево acacia (f) di Australia acacia (f) de Australia	8
Rosenholz (n) rosewood cytise (m) des Canaries	Genista canariensis	розовое дерево (n) legno (m) di rosa di Bahia, legno (m) di rosa delle Canarie citiso (m) de las Canarias	9
Kaliaturholz (n), rotes Sandelholz (n) red sandalwood santal (m) rouge	Pterocarpus santalinus	каліатуръ (m); красный сандалъ (m) sandalo (m) rosso madera (f) de sándalo roja	10

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1	blauer Eucalyptus (m) *oder* Gummibaum (m) blue eucalyptus, blue gum eucalyptus (m) globulus	Eucalyptus globulus	синій эвкалиптъ (m) *или* евкалиптъ (m) eucalipto (m) eucalipto (m) (eucalyptus globulus)
2	roter Eucalyptus (m) *oder* Gummibaum (m) red eucalyptus *or* gum tree eucalyptus (m) rostrata	Eucalyptus rostrata	красный эвкалиптъ (m) *или* евкалиптъ (m) eucalipto (m) rosso eucalipto (m) rojo (eucalyptus rostrata)
3	zuckeriger Eucalyptus (m) sweet eucalyptus corynocalix eucalyptus (m) corynocalix	Eucalyptus corynocalyx	сахаристый эвкалиптъ (m) *или* евкалиптъ (m) eucalipto (m) dolce *o* zuccherino eucalipto (m) sacarino
4	Jarrah jarrah, mahogany gum, yarrow tree eucalyptus (m) marginata (d'Australie)	Eucalyptus marginata	джарри (m) eucalipto (m) d'Australia eucalipto (m) de Australia
5	Karri karri, white gum eucalyptus (m) diversicolor	Eucalyptus diversicolor	карри (m); разноцвѣтный эвкалиптъ (m) *или* евкалиптъ (m) eucalipto (m) diversicolore eucalipto (m) diversicolor
6	[gelber] Hartriegel (m), Kornelkirsche (f), Dürlitze (f) cornelian cherry *or* wood, dogwood cornouiller (m) mâle	Cornus mas	кизилъ (m); деренъ (m) corniolo (m), corgnolo (m) córnejo (m) macho
7	Eisenholz (n) iron wood bois (m) de fer	Sideroxylon inerme	желѣзное дерево (n) legno (m) ferrigno, legno (m) di siderossilo madera (f) de hierro
8	Ebenholz (n) ebony [bois (m) d']ébène (m), ébénier (m)	Diospyros ebenum	чёрное дерево (n); эбеновое дерево ebano (m) nero, ebano (m) vero ébano (m)
9	Grünebenholz (n), (unechtes Pockholz), grünes Ebenholz (n) green ebony jacaranda (m)	Diospyros lotus, Brya ebenus, Jacaranda ovalifolia Aspalatus ebenus	гранадильское дерево (n); зелёное эбеновое дерево ebano (m) verde, albero (m) di S. Andrea, ermellino (m) jacaranda (m)
10	Rotebenholz (n), rotes Ebenholz (n) red ebony, Grenada wood ébénier (m) de Crète	Ebenus cretica	красное эбеновое дерево (n) ebano (m) rosso, granadiglia (f) ébano (m) de Creta

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Palisanderholz (n), Jakarandaholz (n) [Brazilian] rosewood, Jacaranda wood, Palissander wood palissandre (m)	Jacaranda brasiliana, Dalbergia nigra	якарандовое дерево (n); палисандръ (m) palissandro (m), jacaranda (f) palisandra (f), jacaranda (f)	1
Sankt Lucienholz (n), Rosenholz (n), Cypernholz (n) prince wood, Dominica rosewood, St. Lucia wood, spanish elm bois (m) de Chypre bois (m) de rose, orme (m) d'Espagne	Cordia gerascanthus	доминикское розовое дерево (n) legno (m) di rosa di Santa Lucia d'Africa, magaleppo (m) madera (f) de Santa Lucia, madera (f) de rosas, olmo (m) de España	2
Teakholz (n), Tikholz (n) teak bois (m) de teck	Tectonia grandis	тикъ (m); тиковое дерево (n) legno (m) teck, teck (m) di Birmania madera (f) de teca	3
gemeine Esche (f) common ash, english ash frêne (m) commun	Fraxinus excelsior	обыкновенный ясень (m) frassino (m), frassino (m) comune fresno (m) común	4
gemeiner Flieder (m), (Syringenholz (n)) lilac, syringa lilas (m) commun	Syringa vulgaris	сирень (f) siringa (f), lillà (f) lila (f) común	5
Ölbaum (m) olive olivier (m) sauvage	Olea europaea	оливковое дерево (n); масличина (f) olivo (m) selvatico, oleastro (m) olivo (m) silvestre	6
Chinaholz (n) Cinchona wood bois (m) de quinquina	Cinchona officinalis	хинное дерево (n) china (f), legno (m) di chinina madera (f) de quina	7
Hollunder (m), schwarzer, gemeiner Flieder (m) elder sureau (m) noir	Sambucus nigra	чёрная бузина (f) sambuco (m), zambuco (m) saúco (m) negro	8
Atlasholz (n), Satinholz (n), Ferolholz (n) satinwood bois (m) satiné de l'Inde	Chloroxylon swietenia	атласное дерево (n); сатиновое дерево legno (m) satin, legno (m) satinato madera (f) de satén de India	9
Korallenholz (n) coral wood arbre (m) au corail	Erythrina corallodendron	коралловое дерево (n) legno (m) corallo madera (f) de corál	10

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1	echtes *oder* brasilianisches Rosenholz (n) tulip wood bois (m) de rose véritable	Physocalymna floribundum	бразильское розовое дерево (n) legno (m) di rosa di Bahia madera (f) de rosas, palo (m) de rosa legitimo
2	[weißes] Sandelholz (n) sandalwood [bois (m) de] santal (m) blanc	Santalum album	сандальное дерево (m); бѣлый сандалъ (m) sandalo (m) bianco madera (f) de sándalo blanca
3	Gelbsandelholz (n) yellow sandalwood bois (m) de santal citrin	Santalum citrini	жёлтый сандалъ (m) sandalo (m) giallo madera (f) de sándalo amarilla

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